

Thank you for purchasing Nawras E5830 Wi-Fi USB Modem.

Nawras E5830 Wireless Modem (hereinafter referred to as the E5) is a high-speed packet access (HSPA) USB modem. You can connect E5 with the USB interface of a computer, or via Wi-Fi. It is a multi-mode wireless terminal for SOHO (Small Office and Home Office) and business professionals connecting upto 5 users wirelessly and can access Internet, send and receive emails, SMS, manage your phonebook contacts, check balance, recharge and even subscribe our Prepaid Internet products.

Note:

- The supported functions and actual appearance are subject to product purchased. The following pictures are displayed for illustration purpose only. For details of your product selection, consult your

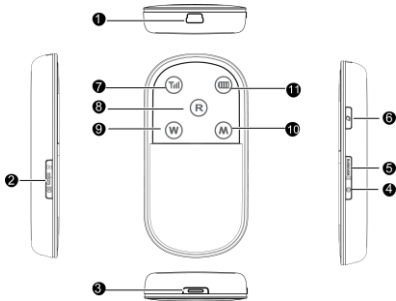
service provider.





- This guide briefly describes the function of the device. For configuring the management parameters, see *Help* on the management program or web management page.
- The device can be kept in a reasonable closed environment such handbag or laptop bag, however if the ambient temperature increases as a safety precaution the device will switch off automatically or disconnect. In such event please restart your device.


1 Get to Know Your Device

1. USB connector
2. Micro SD card slot
3. Battery_button
4. Power On/Off
5. Wi-Fi/WPS button
6. Dialing button
7. Signal indicator
8. Roaming indicator
9. Wi-Fi/WPS indicator
10. Mode indicator
11. Battery indicator

- Wi-Fi: Wireless Fidelity
- WPS: Wi-Fi Protected Setup

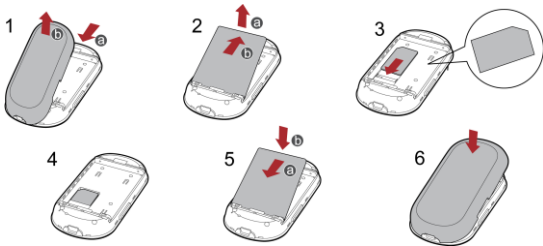


Indicator	Status
	<ul style="list-style-type: none"> ● Steady ON and in Red: The SIM card does not exist or the PIN code is not verified or the signal is inexistent. ● Steady ON and in Yellow: The signal strength is weak. ● Steady ON and in Green: The signal strength is strong.
	<ul style="list-style-type: none"> ● OFF: The device is not in the roaming state. ● Steady ON and in Red: The device is in the roaming state.
	<ul style="list-style-type: none"> ● OFF: The Wi-Fi and WPS are disabled. ● Steady ON and in Blue: The Wi-Fi is enabled. ● Fast Blinking in blue: The WPS is enabled.
	<ul style="list-style-type: none"> ● OFF: No network. ● Fast blinking in Green: dialing up. ● Blinking in Green: 2G network registered. ● Steady ON and in Green: 2G data service connected. ● Blinking in Blue: 3G network registered.

Indicator	Status
	<ul style="list-style-type: none"> Steady ON and in Blue: 3G data service connected.
	<ul style="list-style-type: none"> Fast blinking in Red: The battery power level is very low and must be charged immediately; otherwise the device will be powered off. Steady ON and in Red: The battery power level is weak. Steady ON and in Green: Fully charged. Blinking: The battery is being charged. If the indicator is in Red, the battery level is too low to power on the device. When the indicator turns Green, you can power on the device.


2 Prepare the Device

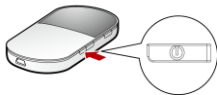
Hold the modem with USB connector facing down and press the top button to remove the back cover and battery and insert the SIM as shown.



Power on the Device

Press and hold  until the indicators are ON

Note: To switch off the modem, press and hold  until the indicators are off;



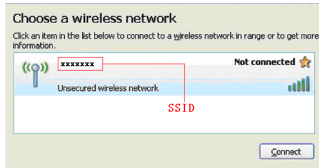
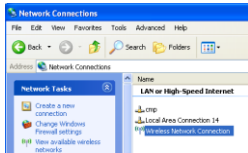
3 How to Access the Internet using Wi-Fi

Step1. Establish the Wi-Fi Connection (Take PC for Example)

1. Select **Start > Control Panel > Network Connections > Wireless Network Connection.**

Note: To set up a Wi-Fi connection, the PC must be configured with the wireless network adapter. If the wireless network connection is displayed, the wireless network adapter is available.

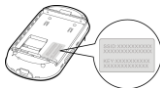
2. Click **View available Wireless Networks** to display the wireless network connection list.



3. Select the network connection by choosing correct SSID as that of the device, and then click .

Note:

- If the encryption parameter is set for the device, the **Wireless Network Connection** dialog box is displayed and requires the network key and confirmation.
- The SSID and key label is the device.



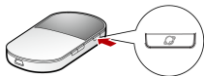
attached on



Once the wireless connection is established, then your PC can connect automatically to the device.



Step2. Access the Internet

By default, the device automatically dials to access the Internet. You can directly use the Internet service.

If the Internet service does not respond, you can access the Internet using the dialing button manually.

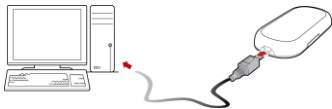


Press and hold  until  is blinking, the connection is set up successfully.

Note: To disconnect, press and hold  until  is off.

4 How to Install the Management Program


The procedure for installing the management program depends on the operating system installed on your PC. The following section takes Windows XP as an example.



1. Power on the device.

2. Connect the device to PC using USB data cable.
3. The OS (Operating System) automatically detects and recognizes new hardware and starts the installation wizard.

Note: If the auto-run wizard does not respond, find the installing file in the driver path and run the program manually.

4. Follow the prompts.
5. Once the program is installed successfully, the shortcut icon of the program  is displayed on the desktop.
6. Every time the device is connected to the PC with the compatible data cable, the program is launched automatically.

Note: You can also double-click the shortcut icon on the desktop to launch the program.

5 How to Access the Web Management Page

1. Start the Internet browser and enter `http://192.168.1.1` in the address bar.
2. Enter the password, and then click **Login**.

- Default User name and password is **“admin”**

This user type is authorized to view and change configurations.

Note: If the page is unavailable while the device is being connected with PC through the cable, launch the management program and then access the web page.

6 Everyday Use

Charging the Battery

Note: If you have not used the device for a long time, please recharge it at least for 2-3 hours.

Method 1: Using the charger

Caution:

- Use the compatible charger provided inside the box only. Nawras is not responsible for any damage to the device due to wrong charging adapter voiding the warranty.



- Charger is an optional accessory. If the charger is not provided in the package, you can contact your service provider to buy one yourself.

Method 2: Connecting to a PC for charging

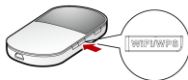
1. Power off the device.
2. Connect the device and PC with the compatible data cable.

Note: Do not turn ON the device until charging is completed. If the device is turned ON, charging stops.





Saving Power mode

If the device has not been used for 15 seconds, the indicators turn off. If the device has not been accessed for 10 minutes, the device goes to deep sleep mode. **In this state, you can press any key to activate the device.**

When the device is in the deep sleep mode, the Wi-Fi is automatically disabled.



Enabling/Disabling the Wi-Fi

- To switch ON Wi-Fi, press and hold  until  is steady ON and in Blue.
- To switch OFF Wi-Fi, press and hold  until  is OFF.

Mode of Accessing the Internet

After you establish the Wi-Fi Connection successfully, you can access the Internet using the following modes.

Mode	Operations
Manual	<p>1. Access the Internet using the dialing button manually. For details, see the chapter of "Step2. Access the Internet".</p> <p>Note: You can also launch the management program or web page to connect to or disconnect from the network.</p> <p>2. Wait for a while. If you are notified that the</p>

Mode	Operations
	connection is successful, you can use the Internet service.
On Demand	After the device is powered ON, it can automatically connect to the Internet when data transmission is required. If data transmission is not performed over a period of time, the device automatically tears down the Internet connection.
Auto	After the device is powered ON, it can automatically connect to the Internet no matter whether data transmission is required.



Note:

- The dialing button dose not work in the **Auto** or **On Demand** mode.
- You can launch the web management page to select the mode of accessing the Internet.

Establishing the WPS Connection

If your Wi-Fi Client device supports WPS, the device can automatically generate a network key without manually setting. The operation steps of establishing WPS-PBC (Push button configuration) are as follows.

1. Connect your Wi-Fi client device with E5.
2. Enable the WPS of the E5.

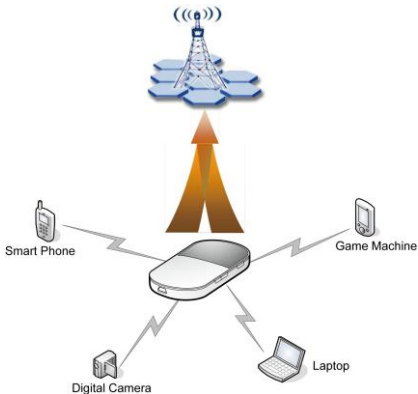
Note: After the Wi-Fi is enabled, press and hold . When  becomes off and then fast blinking in blue, the WPS of the device is enabled.

3. Enable the WPS of your Wi-Fi client device.

Note: For the Wi-Fi operations, please refer to your Wi-Fi client device's user guide.

Networking Diagram

The procedure for establishing a Wi-Fi connection depends on the operating system installed on your Wi-Fi Clients. The following section takes a Wi-Fi PC as an example. For other Clients, you need to configure them as required.



Micro SD card

1. Remove the rubber cap from the Micro SD card slot. Then insert the Micro SD card into the slot.
2. After inserting the Micro SD card completely, replace the rubber cap.





Note:

- Micro SD card is an optional accessory. If the Micro SD card is not provided in the package, you can buy one yourself.
- To remove the Micro SD card, open the rubber cap and press the Micro SD card gently. Now the Micro SD card will pop up automatically. Then take it out.
- Do not remove the card when it is being used. Removing the card during an operation may damage the card as well as the device, and data stored on the card may be corrupted.

Restoring the Factory Defaults

If you want to reconstruct the settings or you forgot the changes of some parameters, you can choose to restore factory defaults and reconfigure the device.

Press and hold  and  at the same time until all the indicators are off, you restore the factory defaults successfully.

Note: After this operation, all personal configuration settings are deleted and all web-based management settings and parameters will be restored to their default values.

Friendly Tips

If you cannot ensure that the device is functioning normal, you can try these following ways to solve:

- See *Help* on the management program or web page.
- Restart the device.
- Restore the factory defaults.
- Contact your service provider.

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