FORA

GW9014
TeleHealth Gateway

311-9014000-002
Version 1.0 2010/08

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INTRODUCTION TO THE SYSTEM

Thank you for purchasing the **FORA GW9014** TeleHealth Gateway. Please read this instruction manual thoroughly before using this device to ensure safe and accurate use.

The **FORA GW9014** Gateway works as data receiver and transmitter which helps users or their healthcare providers to manage the data easily and remotely. By using this product, healthcare providers can monitor
and analyze your test results remotely and effectively through the connection to the server. Data results can be viewed in various formats (HTTP, XML, PPP, SOAP, TCP/IP-, etc.)

The **FORA GW9014** Gateway features:

- Simply plug in and test results will automatically upload onto the server.
- Users and healthcare providers can view the data remotely.
- Data results can be viewed in various formats.
- This device is intended to transmit selected medical information (i.e. blood glucose, blood pressure, body weight, body temperature, body fat, and body hydration) measured by compatible devices via RS232 or wireless connections over the internet or residential telephone line.

This system also provides easy connectivity for other compatible devices.

Contents of the System

Before using **FORA GW9014** Gateway, please make sure that you have all the contents listed.

For **GW9014A**, your system includes:

❶ FORA GW9014A Gateway
❷ Owner's Manual
❸ Quick Start User Guide
❹ 1 AC Power Adapter
❺ 1 RS232 Interface Cable
❻ 1 Telephone Line
❼ 1 Ethernet Cable

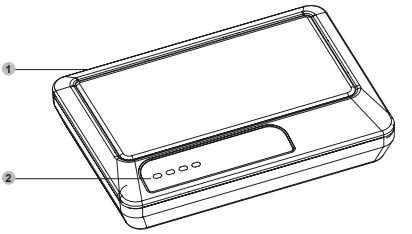
For **GW9014B**, your system includes:

❶ FORA GW9014B Gateway
❷ Owner's Manual
❸ Quick Start User Guide
❹ 1 AC Power Adapter
❺ 1 Telephone Line
❻ 1 Ethernet Cable

Appearance and Key Functions of the Gateway

Front View

❶ Port Area
❷ Led Indicators Panel



About LED Indicators

PWR: The status of power supply. Green light will turn solid green if the power supply is stable. The gateway now is ready for transmission.

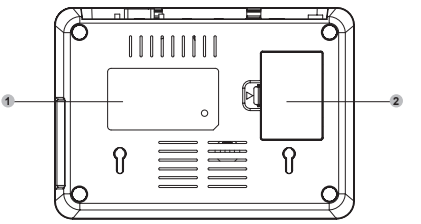
NET: Data transmission status of server. Steady green light indicates steady connection. Blinking green light indicates that data is transferring between the server and the gateway. The green light will not be lit if disconnected.

WSN: Data transmission status indicator of monitoring devices. Steady green light indicates data transmission between the gateway and the monitoring device.

ERR: Error message of the gateway. The red light will be lit when error occurs. Please re-start the gateway or contact customer service for assistance.

(For more detail information about LED indicators, please refer to page11 “LED Indication and Transmission”)

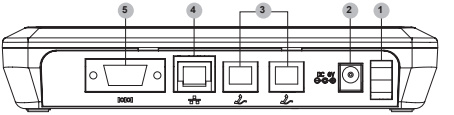
Bottom View



❶ Meter Label

❷ For configuration use (Please do NOT open if you are general users)

Back View (GW9014A)



❶ Power

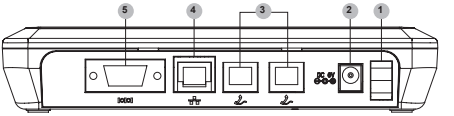
❷ AC Power Adapter Port

❸ Telephone Line Port

❹ Network Cable Port

❺ RS232 Port

Back View (GW9014B)



❶ Power

❷ AC Power Adapter Port

❸ Telephone Line Port

❹ Network Cable Port

❺ RS232 Port
(for configuration use only)

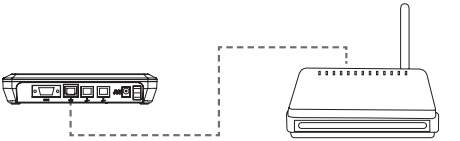
QUICK INSTALLATION STEPS

► GW9014A

Data Transmission through Ethernet

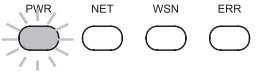
(FORA GW9014A TeleHealth Gateway contains a build-in DHCP Client Service)

1. Prepare your internet router (GW9014A contains build-in DHCP Client Service), and make sure that it can work properly. For the settings of internet router, please refer to your service carrier's owner manual.
2. Open FORA GW9014 Gateway kit and take out the contents.
3. Plug power adapter into a power outlet and power adapter port on the gateway.
4. Connect RS232 interface cable with any RS232 available device to RS232 port on the gateway.
5. Securely insert ethernet cable to internet router and network cable port on the gateway as illustration below.



Internet Broadband Router

6. Turn on gateway power. (“O” presents as turn off, “—” presents as turn on)
7. Congratulations! You have completed all the installation. Please check if the PWR LED indicators are lit as the illustration below.



Data Transmission through Telephone Line

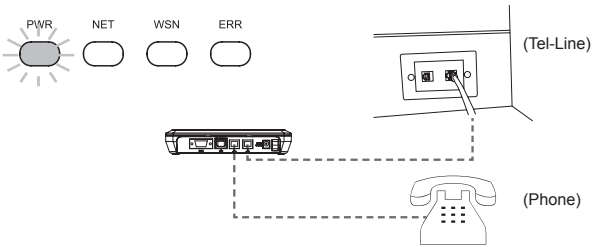
(FORA GW9014A Gateway contains built-in ISP dial-up service.)

1. Open FORA GW9014 Gateway kit and take out the contents.

2. Plug power adapter into a power outlet and power adapter port on the gateway.

3. Connect RS232 interface cable to RS232 port on the gateway.

4. Securely insert telephone line into one of the telephone line port on the gateway. If you want to use telephone, please insert its telephone line to another telephone line port on the gateway.



5. Turn on gateway power. (“O” presents as turn off, “—” presents as turn on)

6. Congratulations! You have completed all the installation. Please check if the PWR LED indicator is lit as the illustration below.

PLEASE NOTE

You can choose either Ethernet or telephone line to transmit data. Do not use both of them at the same time.

► GW9014B

Data Transmission through Ethernet

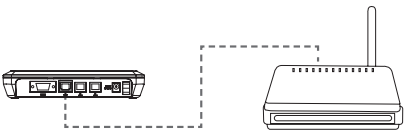
(FORA GW9014B TeleHealth Gateway contains a build-in DHCP Client Service)

1. Prepare your internet router (GW9014B contains build-in DHCP Client Service), and make sure that it can work properly. For the settings of internet router, please refer to your service carrier's owner manual.

2. Open FORA GW9014 Gateway kit and take out the contents.

3. Plug power adapter into a power outlet and power adapter port on the gateway.

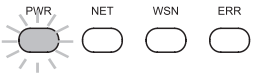
4. Securely insert Ethernet cable to internet router and network cable port on the gateway as illustration below.



Internet Broadband Router

5. Turn on Gateway power. (“O” presents as turn off, “—” presents as turn on)

6. Congratulations! You have completed the installation. Please check if the PWR LED indicators are lit as the illustration below.



PLEASE NOTE

You will need to connect any Bluetooth available device with the FORA GW9014 (GW9014B only) Gateway .

Data Transmission through Telephone Line

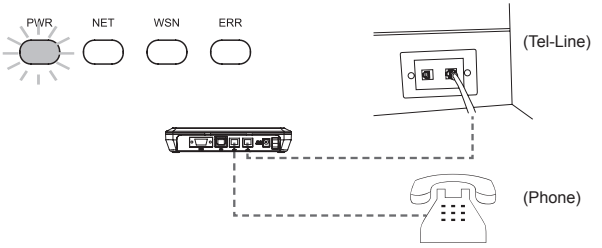
(FORA GW9014B Gateway contains built-in ISP dial-up service.)

1. Open FORA GW9014 Gateway kit and take out the contents.

2. Plug power adapter into a power outlet and power adapter port on the gateway.

3. Securely insert telephone line into one of the telephone line port on the gateway. If you want to use telephone, please insert its telephone line to another telephone line port on the gateway.

4. Turn on gateway power. (“O” presents as turn off, “—” presents as turn on)



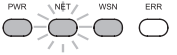
5. Congratulations! You have completed the installation. Please check if the PWR LED indicator is lit as the illustration below.

PLEASE NOTE

You can choose either Ethernet or telephone line to transmit data. Do not use both of them at the same time.

LED INDICATION AND TRANSMISSION

You can refer to the following information to know the status of your **FORA GW9014** Gateway.

LED Indicators	Gateway Status	Note
	Ready for use	After gateway turns on, a green PWR indicates that the gateway is ready.
	Connecting to the target device	WSN will not be lit until the target device has connected to the gateway.
	Connecting to server	Connecting to the server. NET flashes.
	Data transmission in process	Data transmitting to the server. NET will be lit and blink per 10 or 20 seconds.
	Data transmission completed	NET/WSN stop flashing when data transmission completed. The target device will turn off automatically.

NOTES ABOUT INSTALLATION LOCATION

CAUTION!

- For safety reason and to obtain the best wireless transmission efficiency, place the Gateway in a wide open area.

- To avoid the transmission interference, do **NOT** place the gateway in the following environments:

■ On, near, or covered by metal substances
■ Near other wireless devices
■ Near a microwave or an induction cooktop
■ In a closet or covered by other substances unable to receive signals

- If you upload data through a telephone line, please use the telephone port provided by your local telephone company directly. Do not connect the telephone line to the port of private automatic branch exchange.

- Please confirm that the AC power adapter is 6V DC before plug to the gateway, or the gateway will be damaged.

(INPUT: 100-240V~0.2A 60/50Hz, OUTPUT: 6V ⎓ 1000mA 6W Max.)

PROBLEM SOLVING GUIDE

When the Gateway is connected PWR/NET/WSN LED indicators will be lit. The NET indicator will blink per 10 to 20 seconds during transmission. The gateway will signal two short beeps when data transmission is complete.

The table listed below is the descriptions of light signals of LED indicators. (As shown on page 11)

LED Indicators	Status	Description
PWR NET WSN ERR	Idle / stand by	Power is on.
PWR NET WSN ERR	Connect to Meter	Note: Meter must be off before connection.
PWR NET WSN ERR	Start transmission by modem dial-up or internet connection	NET flashes.
PWR NET WSN ERR	Transmitting	NET is always On.
PWR NET WSN ERR	End of transmission	NET / WSN Off. Meter is Off.
PWR NET WSN ERR	Error	NET / WSN Off, Meter is Off. ERR is On with one or multiple beeps.

If you cannot perform a normal transmission and a red ERR LED indicator is lit, or the gateway sounds long beeps, please check if all the installations are correct.

Status	Possible Cause	Problem Solving Suggestion
No LED indicator is lit	No power supply to the gateway	● Check if PWR is lit. ● Check if the gateway power is on. ● Check if the power supply is securely plug-in the power outlet and the gateway power adapter port.
A red ERR indicator with a long beep	Problem of device transmission	● Please check if RS232 interface cable is securely connected to the gateway and to the target device.
A red ERR indicator with two long beeps	Internet access problem, such as: - Server error - Telephone line in use or ISP dial number is busy	● Please make sure that the telephone line should not connect through private automatic branch exchange (PBX.) ● If the problem persists, please contact your local customer service for help.
A red ERR indicator with three long beeps	Operational error of remote server	Please contact your local customer service for help.
A red ERR indicator with four long beeps	Connection error of internet cable or telephone line	Please check the internet cable or telephone line is inserted completely, and make sure the internet access or telephone line works.

SPECIFICATIONS

Model no.	**GW9014A**
Input Interface	RS232
Output Interface	ISP dial-up service or Ethernet
Dimension	170mm x 120mm x 30mm
Weight	221.8g
Power	AC power adapter (input: 100-240Vac; output: 6V, 1A)
Operation Environment	10°C-40°C, below 90% R.H. (Non-condensing)
Storage Environment	-20°C-65°C, below 90% R.H. (Non-condensing)

Model no.	**GW9014B**
Input Interface	Bluetooth
Output Interface	ISP dial-up service or Ethernet
Dimension	170mm x 120mm x 30mm
Weight	221.8g
Power	AC power adapter (input: 100-240Vac; output: 6V, 1A)
Operation Environment	10°C-40°C, below 90% R.H. (Non-condensing)
Storage Environment	-20°C-65°C, below 90% R.H. (Non-condensing)

This device has been tested to meet the electrical and safety requirements of: IEC 60601-1, EN 60601-1, EN 60601-1-2

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SYMBOL INFORMATION

Symbol	Referent
	Consult instructions for use
	Do not use if package is damaged
	Manufacturer
	Serial number
	Caution, consult accompanying documents
	CE Mark
	Class II Equipment