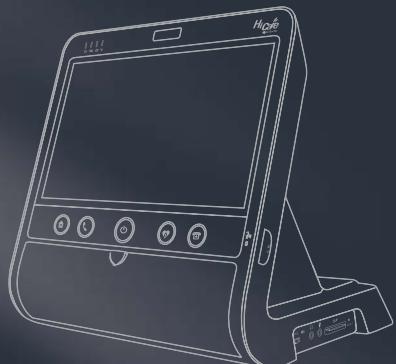




INSTRUCTIONS FOR USE

HiCare Home Doctor
Auto Blood Pressure Meter (Model : HX-461)



CE 1023

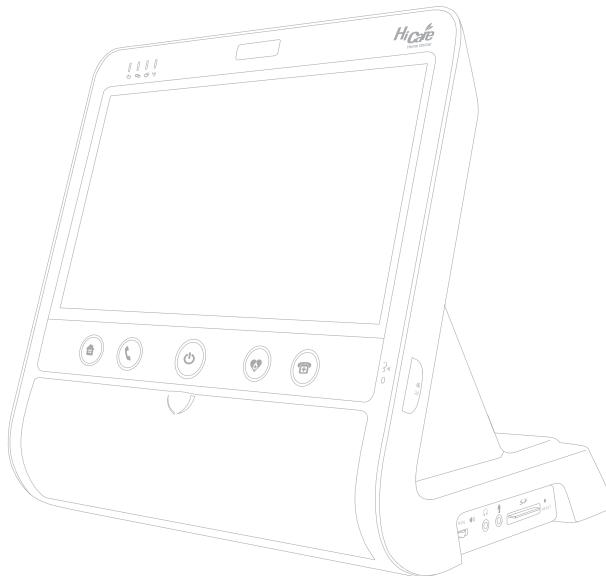


Manufacturer • Sears Technology
Seller • Insung Information
Contact us • Hicare customer center

HiCare Home Doctor
Auto Blood Pressure Meter (Model : HX-461)

INSUNG • INFORMATION

Introduction



Hicare Customer Center Representative No.

The fast service is provided through the steady kind consultation on customer inquiries.

- The image and product specification used in the instructions for use can be partially changed to improve the product performance.
- The product is upgraded through the [Auto Update] function to provide the better function and service. The details changed through the [Update] function after product purchase may be different from those of the instructions for use.

Issued Date : August 30, 2012

Revision Number : 3.0

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DESIGNED BY INSUNG INFORMATION CO.,LTD. IN KOREA

Introduction



*Thanks for purchasing the product.
Be sure to read the IFU(instructions for use) for convenient and safe use.*

○ Symbols



Serial Number



Autorised representative



Read the documentation



Manufacturer

○ Safety symbols used in this instruction manual



WARNING

Warning of risk of injury or health hazards.



CAUTION

Safety information about possible damage to monitor and accessories.



NOTE

Important information.



Table of Contents

■ Safety Information	<hr/> 1
■ Product Introduction	<hr/> 4
Major Components	<hr/> 4
Names and Functions of Each Part	<hr/> 5
Product Features	<hr/> 6
■ Preparations before Use	<hr/> 7
Installation	<hr/> 7
Product / User Registration	<hr/> 9
■ How to use	<hr/> 10
Learning the Basic Functions	<hr/> 10
Measurement	<hr/> 13
User Management	<hr/> 25
Settings	<hr/> 32
■ In Case of an Abnormality	<hr/> 43
Troubleshooting	<hr/> 43
Customer Center	<hr/> 44
■ Specifications	<hr/> 45
■ Warranty Regulations/Warranty	<hr/> 46

Safety Information

They provided the information on maintaining the user safety and preventing the unexpected risk or loss. Be sure to check them for correct use.

Operating the device

- ⚠** The measurement value sent by using the product is for reference. Discuss the analysis of the measurement value with a specialist.
- ⚠** As for the measurement device linked to the product, please refer to the instructions for use of the corresponding product.
- ⚠** Pressing two or more buttons at the same time or pressing it by force cause a failure.
- ⚠** The product is operated by a touch screen.
Be careful not to have a foreign substance touch the screen. Do not touch the screen with a sharp tool. It may cause a failure.
- ⚠** Steadily maintaining the same screen may cause a residual effect on the screen.
- ⚠** Do not have an infant, a child, or the person who cannot properly show its intention use it without a guardian.
- ⚠** Stop using it if strange sound, smell, or smoke is detected from the device. Contact the customer center after plugging out the socket immediately
- ⚠** Please save the program data (contact information, etc.) separately.
The program data may be damaged or deleted during the A/S or due to user's negligence. Save the important details in advance.
- ⚠** Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



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.

Safety Information

They provided the information on maintaining the user safety and preventing the unexpected risk or loss. Be sure to check them for correct use.

Power / Care and maintenance

- Do not use the damaged power cord or plug or the loose socket.**
(There is the danger of an electric shock or a fire.)
- Do not bend the power cord by force or have a heavy object press and damage it.**
- A/C 110V~220V is required. Do not use it with another voltage.**
- Be sure to use only the standard adaptor.**
- Pulling the cord part forcibly or touching it with a wet hand causes an electric shock.**
- Do not put the abnormal impact such as dropping it from a high place or do not do the acts of disassembly, pressure, and piercing**
- Do not put a heavy object on the product or screen. It may cause damage or a failure.**
- If the product is wet with water or a beverage, wipe it quickly and contact the customer center. (The A/S caused by flooding is provided at a cost regardless of the period of the free A/S. The repair may not be possible.)**
- It is not allowed for a user to disassemble or modify it arbitrarily.**
- Do not drop the product or do not strongly impact on the product.**
- Do not use it in the place where the direct light shines and in the place where the temperature and the humidity are high or extremely variable.**
- Do not wipe it with a chemical substance or a detergent to clean the device. Wipe it with a soft cloth.**
- Do not put or drop a metal object (coin, head pin, etc.) or a flammable foreign substance into the product. It may cause a failure.**
- Install it with the 1m distance from another electronic product (audio, wired or wireless phone, etc.). A crossed line or noise may occur during a phone call.**

Safety Information

They provided the information on maintaining the user safety and preventing the unexpected risk or loss. Be sure to check them for correct use.

Batteries

⚠ It may bring some dangers of heating, fire, explosion, and so on. Please observe the following items.

- Use only the designated genuine charger.
- Do not have it near fire. (Do not put it into a microwave oven.)
- Do not leave it inside a car in the summer.
- Do not keep or use it in the hot humid environment such as a Korean dry sauna.
- Do not use it on a blanket, an electric pad, or a carpet for a long time.
- Do not keep it in the closed space with the power turned on for a long time.
- Be careful not to have a metal product such as a necklace, a coin, a key, and a watch contact the battery terminal.
- Use the lithium secondary battery guaranteed by a mobile device manufacturer.
- Do not do the acts of disassembly, pressure, and piercing.
- Do not abnormally impact on it by dropping it from a high place.
- Do not expose it to the 60°C or higher temperature.
- Do not have it contact moisture.

⚠ Be careful of the following matters when disposing of the battery.

- Do not throw away a dead battery.
- In case of disposing of a battery pack, do not incinerate it or do not put it into fire. It may cause explosion or fire due to the heat.
- The battery disposal method may be different depending on a country and a region. Throw it away properly.

⚠ Do not charge a battery pack with the method not specified in the instructions for use. It may cause fire or explosion.

⚠ The operating temperature of a battery is 0~+45°C during charging and -10°C ~+60°C during discharging.

⚠ A battery is a consumable so that the usage time may be shortened due to the repetitive charging and discharging.

⚠ If the battery is not working, contact the Hicare Customer Center.

Hicare
Home Doctor

Product Introduction

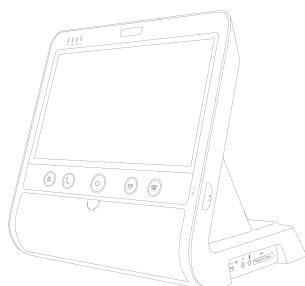
Major Components

The product is the model (HX-461) consisting of the embedded blood pressure monitor(**AND**) and the blood glucose meter.

Check whether the basic components of a purchased product are available. The exterior may be different from that of a real one.

Basic Components

02



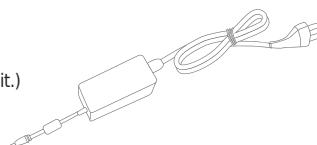
Hicare Home Doctor
Auto Blood Pressure Meter [Model Name HX-461]



Blood Pressure Cuff
(Some models don't include it.)



Instructions for use



Power Cable / Adaptor

Option



infopia
CE marked Autocode
Element



Johnson & Johnson
CE marked
OneTouch UltraMini



BeneCheck™
benecheckglu



NONIN
CE marked Nonin
pulse oximeter
(Onyx® II Model 9560)



infopia
Lipid Pro



AND
CE marked Blood
pressure monitor
(UA-767PBT-C)



OMRON
CE marked Blood
pressure monitor
(708-BT)



AND
Medical Scales
(uc-321PBT-C)



OMRON
CE marked Body
composition monitor
(BF-206BT)



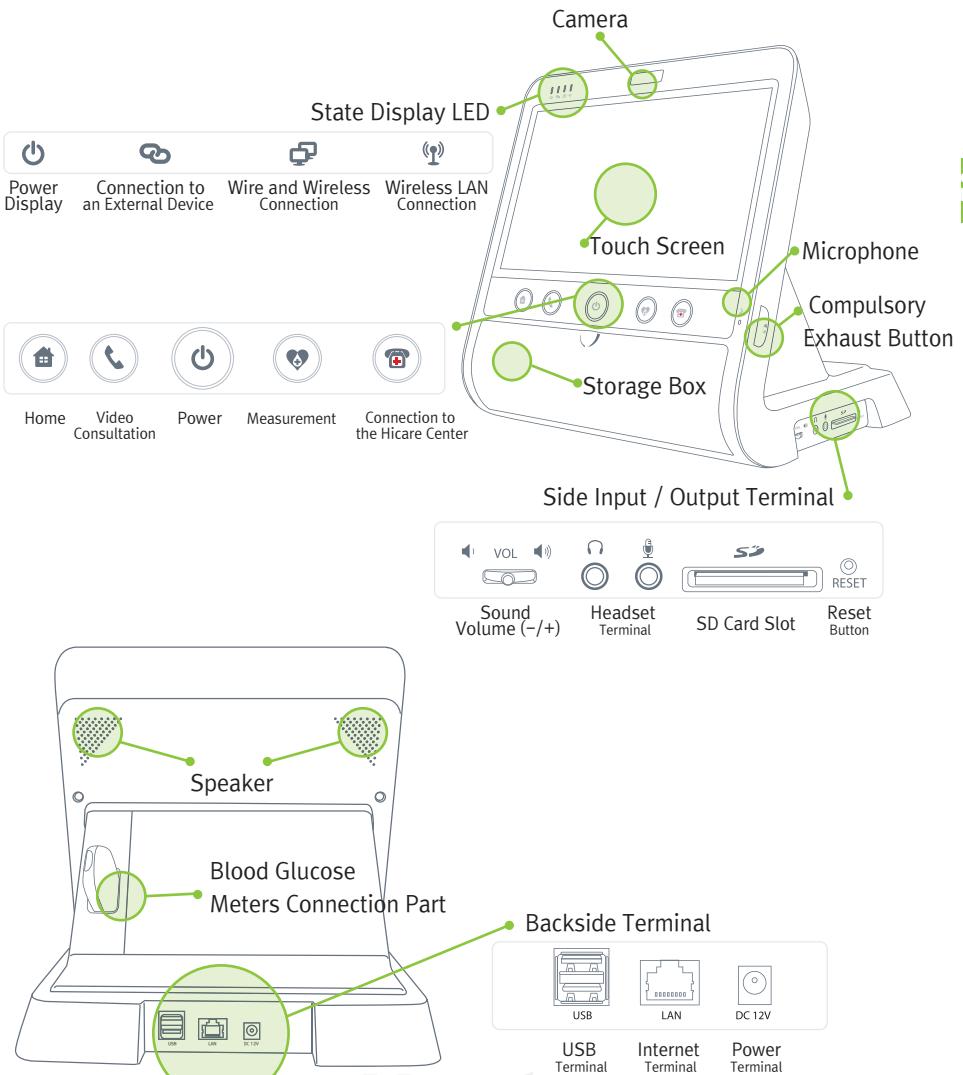
infopia
HbA1c
Measuring system

- The measurement device supported is different depending on a model.
- Check the machine type and the company name for each model for proper use.
- As for the blood pressure measurement and transmission method through the embedded blood pressure monitor, select the [Measurement > Blood Pressure] menu. (▶ Page 13)

Home Doctor

Product Introduction

Names and Functions of Each Part

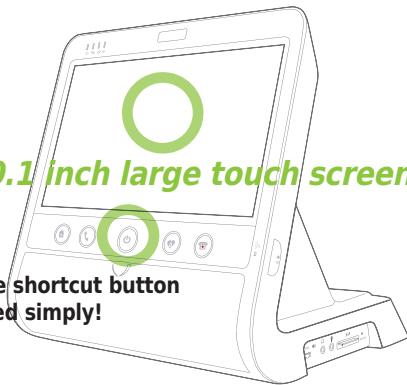


Product Introduction

Product Features

②

10.1 inch large touch screen!
The shortcut button used simply!



Docking type Blood glucose meters
Connecting various measurement devices!
(Supporting Bluetooth)



The device that can be used conveniently like a home appliance
(With a button without a large touch screen and a PC!)



The convenient phone with the conversation like eye contact~

Easily connecting various measurement devices~
Convenient measurement and the easy management of measurement value accumulation~



Your health secretary~~~Health measurement is basic. Even health management is possible.
[Supporting the Customized service]



- Some models don't support the (video) phone function.

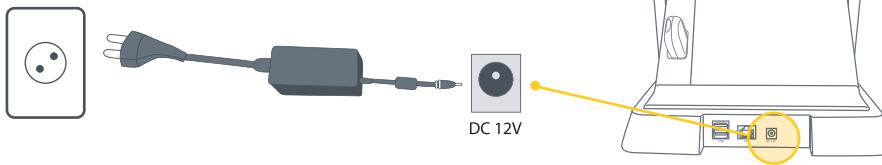
Preparations before Use

In order to facilitate the product use, be sure to check it before using the product.

Installation

1. Power Connection

- Connect the power adaptor to the power connection terminal in the back side of the system unit.



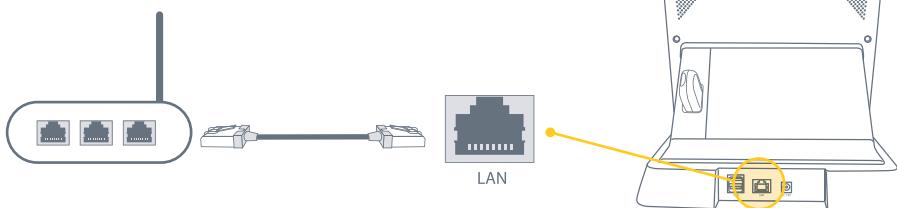
03

Charging batteries

- i** - In case of not using it for a long time after purchase, charge the battery for use.
- If the power adaptor is connected, the battery is charged automatically. The charge status can be checked from the icon in the upper corner of the screen.
- It is recommended to use it after connecting the power connector in the house.

2. Internet Connection

- Connect the LAN cable to the Internet connecting terminal in the back side of the system unit.



- Set up the network connection in the Settings > Network menu.
(Select the wired/wireless network)



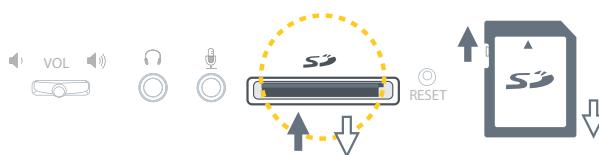
- Refer to the Product Function > Settings > Network menu for the detailed setting method. (► Page 35)

Preparations before Use

In order to facilitate the product use, be sure to check it before using the product.

3. Inserting and Removing the SD Memory Card

- Lightly insert the SD card into the card slot on the right of the system unit.
- Press the end of the SD card once to release it automatically.



03

4. Connecting the Headset

- Connect the earphone and the microphone jack to the insertion part on the right of the system unit.



HiCafe
Home Doctor

Preparations before Use

In order to facilitate the product use, be sure to check it before using the product.

Product / User Registration

- Registration as a Hicare member is possible through the subscription to the Hicare service. (Customer Center)
- After the registration in the Hicare service, an installation engineer pays a visit to install the product.
- An installation engineer registers a product during product installation.
If the product is not automatically registered, the product can be registered in the homepage.
(Check the serial number of the product to register the product.)
- Turn on the power of the product and register the user in the device.
(Management>New User ► Page 25)
- Check the user information registered in the product. Use the product after login.
- If the product is registered, the automatic update and A/S of the program are possible.
(In case of an unregistered product, the product service may be limited.)



- It can be used with the registration of a user in the device without subscribing to the Hicare service.
- The far better health management service can be received through the registration in the Hicare service.

Hicare
Home Doctor

How to use

The functions needed for product use are explained.

Learning Basic Functions

1. Turning on and off Power



- 1 Press the power button [] in the lower part of the screen.
- 2 Select [LCD Off] to turn off only the screen.
Select the power button again to turn on the screen.
- 3 Select [Reboot] to end and restart the system.
- 4 Select [Power Off] in case of not using the device or trying to turn off the device.



-Steadily press the [] button for 3 or more minutes with the product turned on to turn off power.
-In case of turning off the product power, please use the [Power Off] function for the stable power operation.

04

2. Using the Touch Screen



- The touch screen system is mounted in the product.
- Lightly touch the screen with a finger to use a desired function.



-Using a sharp object is in the danger of product damage.

3. Controlling the Volume



- Spin the volume control button on the right of the product left and right to control the volume

4. Selecting/Ending the Service



- Turn on power to display the menu screen.
- Select the button of a desired function to execute the service.
- Select the [Menu] button in the upper part of the screen during service execution to end the service being executed and move to the main menu screen.



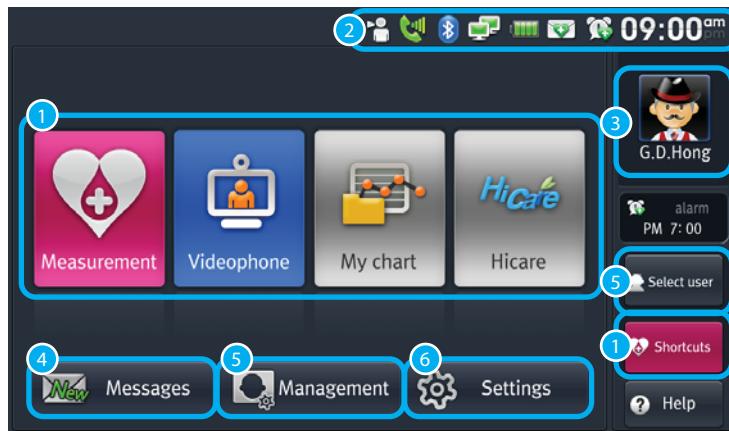
- Select the [Menu] button to save the changes of the screen to end the service.
(If there is a separate [Save] button in a certain screen, the service is ended without saving.)

How to use

The functions needed for product use are explained.

Learning Basic Functions

5. Learning the Main Screen [Home]



1 Measurement

Health Measurement, Video Consultation, My Chart, Hicare, and Simple Measurement
(Refer to the 13P of the instructions for use.)



- The data measured with the equipment cannot be used for diagnosis or prescription.
Further examination and consultation with a doctor are necessary

2 Explanation of Icons



Voice Information /
Disable voice Information



Call Status /
Impossible Call



Bluetooth Connected/
Disconnected



Network Connected/
Disconnected



Battery Residual Quantity/
Being Charged



Health Alarm Set/
Alarm Not Set



Display of the Current Time

How to use

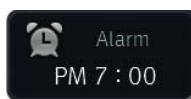
The functions needed for product use are explained.

Learning Basic Functions

3 Login Information



Check the person who logs in.
Select the "Select User" menu
to change a user.



The alarm time set for
each measurement item
is shown.



- HX-461 enables user-specific data management by registering users.
Measurement data are stored on user-basis. The stored data can be sent safely to the doctor registered
by the user via network for the doctor's inquiry

04

4 Message

You can check the messages received from the doctor

5 User Management

Registering and selecting a user and managing the user information.
(personal information and meal time)

6 Settings

Time zone , language, screen, network, bluetooth, brightness, volume, touch cal. ,
information and update. (► Page 32)



- The connection to Hicare, the consultation center, and the phone function may not be smooth depending
on the network connection status. Check the network connection status if it is not connected or
is delayed. (Settings > Network)

How to use

The functions needed for product use are explained.

Measurement

1. Health Measurement

Blood pressure and blood glucose are measured. Measurement results can be sent.



◀ It moves to the health measurement function.

Measurement with the Embedded blood pressure monitor

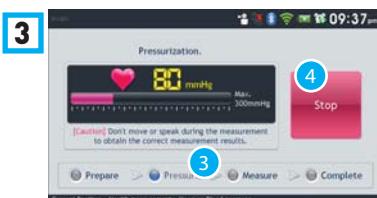
The product is the model with the blood pressure monitor embedded. Blood pressure can be measured with the blood pressure cuff mounted in the cuff storage box in the rear part of the system unit.



◀ Select the [Measurement > Blood Pressure] menu.



- 1 Wrap around the arm with the blood pressure cuff and press the [Start] button to start measurement.
- 2 The current stage in progress is displayed according to the blood pressure measurement procedures.



- 3 Pressure is put on the pressure cuff to measure the blood pressure.
- 4 If you feel inconveniences or pain in the arm being measured, press the [Stop] button anytime.

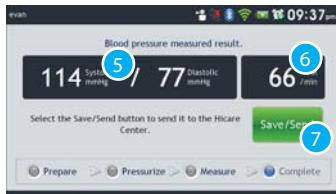
Hicafe
Home Doctor

How to use

The functions needed for product use are explained.

04

4



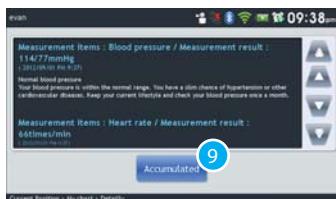
- 5 The blood pressure value (systolic/diastolic blood pressure) measured with the pressure going down is displayed.
- 6 The measured pulse rate is displayed.
- 7 Save the measurement value in the device and send it to the Hicare server.

5



- 8 It was saved and sent. Select the [OK] button to view the opinion on the measurement value.

6



- 9 Select the [Accumulated] button to view the measurement result value in the graph.

7



How to use

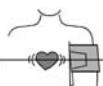
The functions needed for product use are explained.

Using The Monitor

Model HX-461 is designed to detect the pulse and to inflate the cuff to a systolic pressure level automatically.

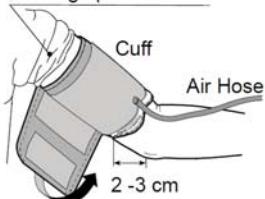
1

At heart level

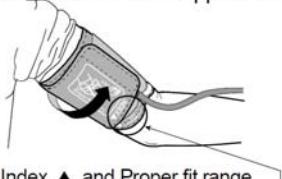


2

Rolling up shirtsleeve



Constriction of the Upper Arm



Index ▲ and Proper fit range

Place the cuff on the arm (preferably the left arm).
Sit quietly during measurement.

1 Attaching The Arm Cuff

1. Wrap the cuff around the upper arm, about 2 - 3 cm above the elbow, as shown. Place the cuff directly against the skin, as clothing may cause a faint pulse, and result in a measurement error.
2. Constriction of the upper arm, caused by rolling up a shirtsleeve, may prevent accurate readings.
3. Confirm that the index ▲ points within the proper fit range.

2 Measurement

During measurement, it is normal for the cuff to feel very tight.
(Do not be alarmed)

- Applicable range of arm circumference for the cuff

D-cuff Small(UA-279) : Arm Circumference: 18-22cm
D-cuff Adult(UA-281) : Arm Circumference: 22-32cm
D-cuff Large(UA-281) : Arm Circumference: 32-45cm



How To Take Proper Measurements

- Sit down in a comfortable position. Place the arm to be used for the measurement on a table or other support so that the center of the cuff will be at the same height as your heart.
- Relax for about five or ten minutes before taking a measurement. If you are excited or depressed by emotional stress, the measurement will reflect this stress as a higher (or lower) than normal blood pressure reading and the pulse reading will usually be faster than normal.
- Remain still and keep quiet during measurement.
- Do not measure right after physical exercise or a bath. Rest for twenty or thirty minutes before taking the measurement.
- Try to measure your blood pressure at the same time every day.
- An individual's blood pressure varies constantly, depending on what you are doing and what you have eaten. What you drink can have a very strong and rapid effect on your blood pressure.
- This device bases its measurements on the heartbeat. If you have a very weak or irregular heartbeat, the device may have difficulty determining your blood pressure.
- This blood pressure monitor is intended for use by adults only. Consult with your physician before using this device on a child. A child should not use this device unattended.

Home Doctor

How to use

The functions needed for product use are explained.

Connecting the measurement device to receive the measurement value

■ Data Transmission [Blood Glucose]

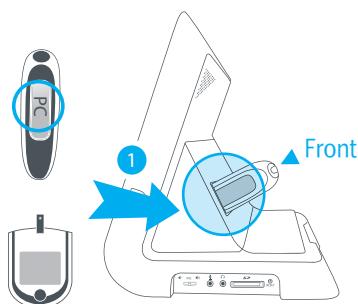
1



Select the [Measurement > Blood glucose] menu.

04

2



1 Dock the blood glucose meter to the insertion part in the rear part of the product.
(If the glucose meter is docked correctly, "PC" is displayed in the screen of the blood glucose screen or the 'beep' sound is made.
- Each manufacturer has a different feature.)

[Check the following matters before using the blood glucose meters.]

Dock the glucose meter to the system unit first before measurement when using the glucose meter first.
The measurement time of the system unit is set to be the same as that of the glucose meter.
(It is automatically set during docking.)



- Dock the glucose meter to dock the front side of the glucose meter toward the outside.



- As for the usage method of the measurement device docked to the system unit, refer to the instructions for use of the corresponding product.

How to use

The functions needed for product use are explained.

2



2 The system unit is being docked to the blood glucose meter.

3 Check the person who logs in.

4 Select the **[Save / Send]** button.

- If a measurement value is sent, the sending completion message is displayed.

3



5 It was saved and sent. Select the **[OK]** button to view the opinion on the measurement value.

4



6 Select the **[Accumulated]** button to view the measurement result value in the graph.

5



- A measurement value is personal health information. Please check the measurement target information.

How to use

The functions needed for product use are explained.

Simple measurement

A user not registered can also make a measurement simply.

(However, in case of the simple measurement, measurement values are not saved and sent.)

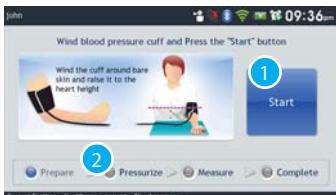
1



◀ Select the [Shortcuts] menu.

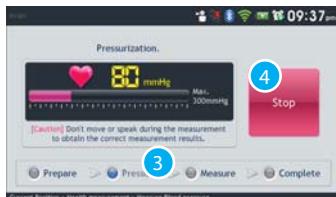
04

2



- 1 Wrap around the arm with the blood pressure cuff and press the [Start] button to start measurement.
- 2 The current stage in progress is displayed according to the blood pressure measurement procedures.

3



- 3 Pressure is put on the pressure cuff to measure the blood pressure.
- 4 If you feel inconveniences or pain in the arm being measured, press the [Stop] button anytime.

4



- 5 The blood pressure value (systolic/diastolic blood pressure) measured with the pressure going down is displayed.

How to use

The functions needed for product use are explained.

Message

You can check the messages received from the doctor.

1



◀ Select the [Message] menu.

2



① If you have a new message, the message icon is labeled "New".

If you select [Message] buttons,, you can see the contents of the message.

04

How to use

The functions needed for product use are explained.

2. Video Consultation

1



◀ Select the [Videophone] menu.

04

1



2



3 Screen mode

Picture-in-picture split mode Screen exchange

Mode



Measure.

1 Screen

2 Screen

privacy mode

Press the  button to keep your image from being displayed to the other party. In privacy mode, instead of your image, a 'Specified screen' image is displayed on the other party's screen..



[Numeric keypad]

How to use

The functions needed for product use are explained.



- Phone if I can not connect, "Phone is not connected" message will appear.

Check the phone icon at the top of the screen.
(When the call connects, the phone icon turns .)

Measured while the video consultation

1

Mode



1 Measure.

2



1 If you select the , You can measure during a call

2 Please select the measurement item.

3 Please select the **Start** button when ready to measure.

4 Each of the measurement process.

3



HiCafe
Home Doctor

How to use

The functions needed for product use are explained.

04

OPC program - video consultation

1



① Select the [Start > Program > Home doctor] menu

2

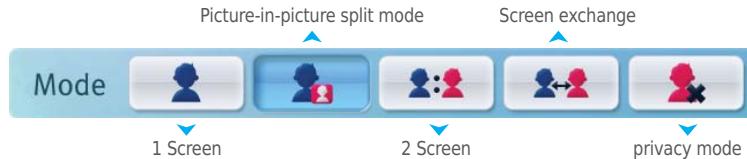


② Select the [Answer] button to receive a call.

* If it is difficult to make a phone call, press the [Decline] button to receive a call.

③ Select the button, to end the call.

④ Screen mode



3



⑤ Enter the member's mobile phone number, and the [Search] button to select.



⑥ Select the members
It moves to the [Member details page]



- Some models don't support the [PC program]

How to use

The functions needed for product use are explained.

3. My Chart

The saved measurement values can be inquired in a table or a graph for each period, each item, and each device.



◀ It moves to the My Chart function.

1



- 1 The measurement value can be inquired in the units of the day, a week, a month, a quarter, a half, and a year.
- 2 The blood pressure, blood glucose, pulse, SpO₂, and body fat can be selected from the measurement items for inquiry.
- 3 Each measurement device (blood pressure monitor/glucose meter, etc.) can be selected for inquiry.
- 4 If an inquiry condition and the [Table / Graph] button are selected, the measurement values can be viewed in the table or graph type.
- 5 If [View All] is selected, all saved measurement values can be viewed. If [Abnormal] is selected, the measurement value being beyond a normal value is viewed out of the saved measurement values.
- 6 If the current row of a measurement value is selected, the measurement value can be viewed in details.
- 7 It moves to the My Chart function.
- 8 If [View All] is selected, all saved measurement values can be viewed. If [Detail] is selected, show 30 items per page.
- 9 The normal range is displayed for each measurement item.

2



3



- The measurement value sent by using the product is for reference only.
Consult on the analysis of a measurement value with a specialist.

How to use

The functions needed for product use are explained.

4. Hicare

The Hicare service is provided for the member subscribing to the Customized service.



◀ It moves to the Hicare service screen.

Connect to the designated web site directly, and transmit data automatically after successful connection

04



How to use

The functions needed for product use are explained.

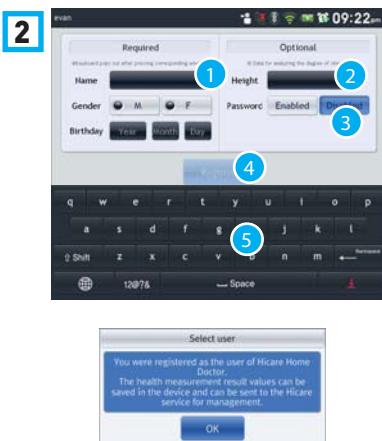
User Management

Registering a User

A new user can be registered.



◀ Select the [Management > New User] menu.



① Input a name and date of birth.

② Select gender (A name and date of birth, gender cannot be modified after user registration.)

③ Enter the height (Optional Information)

④ Input a password. A password consists of four numbers. (If the input window is selected, the number input keyboard is displayed automatically.)

If a password is not to be used, select the [No Register] button. (A password can be modified in the user information management page after user registration.)

⑤ Select the [Register] button after inputting a name and date of birth, gender.

⑥ If the input window is selected, keyboard is displayed automatically. If a desired character is selected from the keyboard, the character inputted in the input keyboard is displayed. (Word spacing is not required.)



- All kinds of user information are encoded, saved, and sent.
- It is recommended to register and use a password for safe use.
(It is possible to use the device without registering a password.)

How to use

The functions needed for product use are explained.

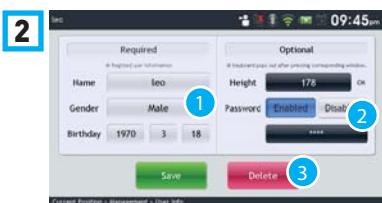
04

○ Modifying user information

User information can be modified and managed



◀ Select the [Management > User Info.] menu.

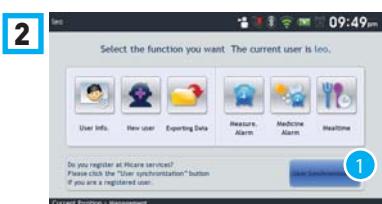


- 1 A name and date of birth, gender cannot be modified after user registration.
- 2 If the [Delete] is selected, the account of the user who logs in can be deleted.
- 3 If the [Enabled / Disabled] button is selected, the password setting can be changed.
※ If the [Enabled] button is selected, the password input window is displayed, and a password can be set.

○ Synchronization of user information



◀ Select the [Management] menu.



- 1 If you're a registered user to Hicare services, click the [User synchronization] button

Hicare
Home Doctor

How to use

The functions needed for product use are explained.

○ Exporting Data

Data stored on the device to export to SDcard.

(All of the logged-in user data will be exported.)



◀ Select the [Management > Exporting Data] menu.

2



1 Insert the SD card to store the data and the [OK] button to select

04

2 Exporting Data...



3 If an error occurs during the export data, check the SD card and try again



How to use

The functions needed for product use are explained.

Setting the measurement alarm

The blood pressure and glucose measurement time can be set in the measurement alarm menu. The set time is announced with a sound or voice.

1



◀ Select the [Measurement > Measure. Alarm] menu.

04

2



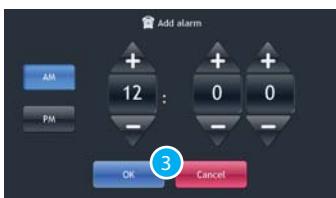
1 The alarm details registered are shown.

2 Select the **Add alarm** button to register the measurement time.

It moves to the time setting screen.

3 Select the **OK** button after setting a desired time.

4 The registered time can be modified and deleted.



- Measurement alarm, and Medicine alarm at the same time can not be set.

Home Doctor

How to use

The functions needed for product use are explained.

Setting the Medicine alarm

[Medicine alarm] remind you to take your medicine

1



◀ Select the [Measurement > Medicine Alarm] menu.

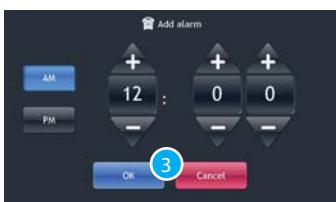
2



1 The alarm details registered are shown.

2 Select the **Add alarm** button to register the measurement time.
It moves to the time setting screen.

3



3 Select the **OK** button after setting a desired time.
4 The registered time can be modified and deleted.



5 When it is time to take medication, the message window will pop up.



- Measurement alarm, and Medicine alarm at the same time can not be set.

Home Doctor

How to use

The functions needed for product use are explained.

0 Setting a Meal Time

The meal time during the blood glucose measurement can be inputted and modified to more correctly manage a blood glucose measurement value.

(Input a meal time on the basis of the meal completion time.)



◀ Select the [Management > MealTime] menu.

04

2



- 1 If the input window is selected, the time input window is displayed.
- 2 If all breakfast, lunch, and dinner times are inputted, select the [Save] button.
- 3 Select the [Cancel] button to cancel the meal time input.

How to use

The functions needed for product use are explained.

○ Selecting a user

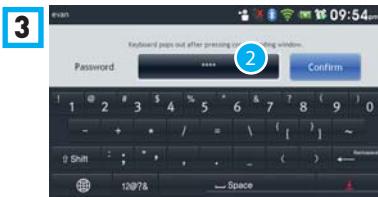
A user icon is created by reflecting the user age and gender. The user name is displayed below the icon.



◀ Select the [Select user] menu.



① Check a name and a user icon.



② Input a password for login. (Four-digit number)

HiCafe
Home Doctor

How to use

The functions needed for product use are explained.

Settings



The value set in the system can be modified in the setting menu as desired by a user.

* Select the [Menu]/[Settings] button to save the changes in the screen and end the service. (If the [Save] button is available separately in a screen, the service is ended without saving.)

1. Time zone

The current region / time can be set.

04



◀ Select the **[Settings > Time zone]** menu.



- 1 The standard time zone can be changed.
(◀ : Move to the left ▶ : Move to the right)
- 2 Select the **[Time Setting]** button to directly input the time.
- 3 Select the **[Menu] / [Settings]** button after changing the standard time zone to apply changes

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Home Doctor

How to use

The functions needed for product use are explained.

2. Language

The language displayed in the screen can be set.



◀ Select the [Settings > Language] menu.



1 Select the language to be set.



- The languages of some countries are not supported depending on a product model.

04

How to use

The functions needed for product use are explained.

04

3. Screen

1



◀ Select the [Settings > Screen] menu.

* If a product is not used for a certain period, the device performance is maximized or the energy can be saved by using the power management option (screen protector function).



- The standby screen (screen saver) is the photo or animation appearing in the whole screen if a product is not used for a fixed time.

2



- 1 Set the power management option.
(Disable/Standby)
- 2 The waiting time for which the screen saver is executed is set.
- Standby screen (1/3/5/10/15 minutes)
- 3 Select the standby screen (screen saver) of the product.
(analog / digital watch type)



- The function not supported in the current version can be supported during the update afterwards.

HiCafe
Home Doctor

How to use

The functions needed for product use are explained.

4. Network

The wired/wireless network connection can be set.



◀ Select the [Settings > Network] menu.



- 1 The network connected currently is displayed.
- 2 Select the On or Off of the wireless/wired network.
- 3 Set the option of the wireless/wired network.



- The wireless/wired network is set as [On] when the product is released to the market.

○ Connecting a Wireless Network



- 1 Select the [Setup] button of the wireless network.
- 2 The results of searching the wireless networks around a user are displayed.
- 3 If the connected wireless network is not displayed in the list or a signal is weak, [Refresh] is executed.
- 4 Select the wireless network to be connected from the search results and select the [Connect] button.

If the network connection is completed,

"The Connected Network: Network Name" is displayed.

* If a password is set in the wireless network, input the password in the input window.



- The password for the wireless network registered once is saved so that it is connected without the password input during another connection.



- 3 Refresh
- 4 Connect
- 5 Properties



- 5 If a wireless network is connected, the connected network is displayed. If the network and the [Properties] buttons are selected, the network information is displayed.

How to use

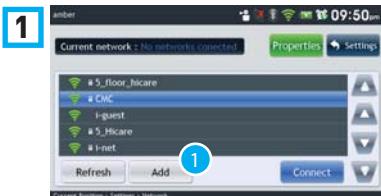
The functions needed for product use are explained.



- 6 The information on the wireless network is displayed.
- 7 If the [Delete] button is selected, the selected network information is deleted from the list so that the saved network connection information can be deleted.

○ Adding a Wireless Network

04



- The profile on the corresponding network is saved by finding the network. The network name (SSID) and the security key (if a password is available) should be known.

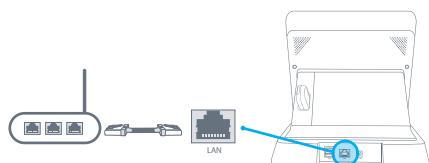
- 1 Select the [Add] button to directly register more wireless network.
- 2 Input the network name (SSID).
* If the input window is selected, the keyboard is displayed.
- 3 The security setting type can be set.
- 4 Input the security key if a password is set.
- 5 If the [Menu] / [Settings] button is selected, changes are saved.

HiCafe
Home Doctor

How to use

The functions needed for product use are explained.

Connecting a Wired Network



Connect the LAN cable to the Internet connection terminal in the rear side of the product.

1



- 1 Select the **[Setup]** button of the wired network.
- 2 If the **[DHCP]** type is selected, the network information is received automatically.



- DHCP(Dynamic Host Configuration Protocol)
Through the function, the network IP address, basic gateway, and DNS (Domain Name Service) are automatically allocated from the DHCP server to the network equipment.

2



- 3 If the **[Static]** is selected, the IP, subnet mask, gateway, and DNS address should be inputted directly.
- 4 If the input window is selected, the keyboard is displayed automatically.
- 5 Input a number in the input window of the keyboard.
- Input 4 places at a time. (Input Example: 255.255.255.0)
- 6 If all IP, subnet mask, gateway, and DNS address are inputted, select the **[Apply]** button. If the network connection is completed, "The Connected Network: Wired Network" is displayed.

3

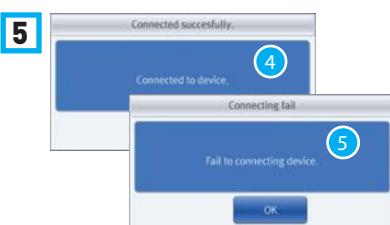
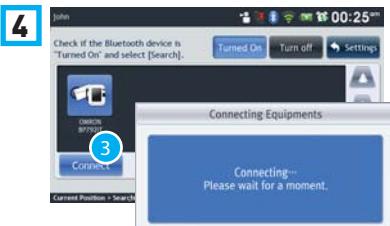
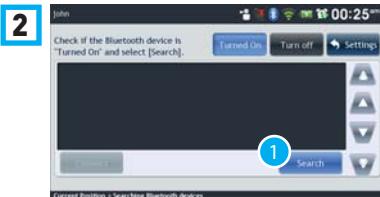


How to use

The functions needed for product use are explained.

04

5. Bluetooth



◀ Select the [Settings > Bluetooth] menu.

1 Select the [Search] button from the system unit screen.



- If the pairing process does not complete within approximately one minute, it will end without pairing with the device.

2 A Bluetooth device is being searched.

3 As the results of searching, the image, manufacturer, and product name of the Bluetooth device possibly connected are displayed. Select the product image and the [Connect] button.

4 The Bluetooth connection with the system unit is completed successfully.

5 In case of a failure in the Bluetooth connection with the system unit, try to do it again from scratch.



- The blood pressure monitor and the body composition monitor of another manufacturer can be connected through the Bluetooth communication. (Omron, BioSpace, etc.) However, it can be adjusted depending on manufacturer's situation.

Home Doctor

How to use

The functions needed for product use are explained.

6. Brightness

1



Brightness

2



◀ Select the [Settings > Brightness] menu.

- 1 If or is selected from the screen, the screen brightness is decreased or increased step by step.



- The screen brightness is degraded depending on the usage after a certain period.

7. Volume

1



Volume

◀ Select the [Settings > Sound] menu.

2



- 1 If or is selected from the screen, the sound is decreased or increased in the stages of 1 to 10. (Minimum Sound Volume: 1)

- 2 The voice information sound is turned on or off. The touch sound of the screen is turned on or off.



- Sound setting is controlled the same as the phone function.

HiCafe
Home Doctor

How to use

The functions needed for product use are explained.

8. Touch Cal.



1

◀ Select the [Settings > Touch Cal.] menu.

2



1 Adjust the coordinates of the touch screen.

- Press the middle of the cross slightly.
- Follow up the cross moving in the screen.

04

9. Product Information



1

◀ Select the [Settings > Info.] menu.

2



1 The basic information on the S/W version of a product and the usage of the storage space can be obtained.

2 The public software and license included in the product can be checked.



- The open software list contained in the product is as follows
[Qt4 Liscence / Open SSL Liscence]

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Home Doctor

How to use

The functions needed for product use are explained.

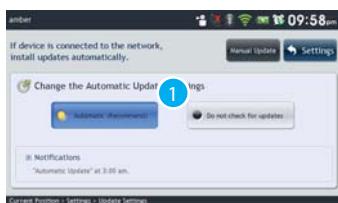
10. Update

1



◀ Select the [Settings > Update] menu.

2



① Select the [Automatic] or [Do not check for updates] button.

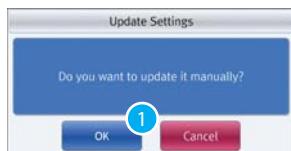
* If the [Automatic Update Download] function is selected, the update details can be checked and installed automatically if it is connected to the device network. (Recommended)



- External power should be available during the automatic update. Don't turn off power during update. If power is turned off, it may damage a device function.

○ Automatic Update

1



① Select the [Ok] button to start the update.



- "Automatic update" at 3:00 am.
- The program may slow down during the update download

2



② The time needed for update is different depending on the network update status and the update details.

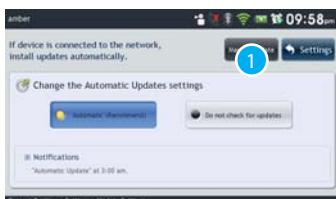
HiCafe
Home Doctor

How to use

The functions needed for product use are explained.

○ Manual Update

1



1 If the **[Manual Update]** button is selected, the device can be updated manually.

04

2



2 Select the **[Ok]** button to start the update.

3



3 The time needed for update is different depending on the network update status and the update details.

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Home Doctor

In Case of an Abnormality

Troubleshooting

If a product doesn't work properly, check the following matters before thinking it is a failure.

If a problem is not solved, contact the Hicare customer center.

It will be handled promptly.

Symptom

Check it this way.

Power cannot be turned on.
Power is turned off.

Check the connection status of the power adaptor. If the battery is dead, power cannot be turned on.

The screen is unclear.

The screen may be unclear if it is used in the direct light. Check the brightness setting.

The actual battery lifetime is different from that of the instructions for use.

The lifetime may be different depending on the operating environment and the screen setting. Moreover, the battery lifetime maybe shortened gradually as it is used.

The program is stopped.

Continue to press the product power button for 1 or more minutes. Turn off the product power and turn it on again.

Heat from the device.

The product contains batteries so that the long-term usage may generate the heat.

A measurement value cannot be sent.

Understand the measurement device connection method stated in the instructions for use and try to do it again. If it is not connected, contact the customer center.

No correct time.

If the product power is turned off for a long time, the visual information may disappear. If the product is turned on with the network connection, the time is set automatically.

Impossible phone conversation.

As for the Internet phone, the phone conversation is impossible beyond the call area or in case of the disconnected Internet. Check the call area and the Internet connection status.

In Case of an Abnormality

Customer Center

User / product registration

Thanks for purchasing the product. Please register the product before use to receive the A/S and the customer service.

Inquiry on the Product and A/S

- Contact the Hicare customer center stated below in case of a product failure.
- As for the measurement device connected to the product, refer to the instructions for use of the corresponding product.
- As for the inquiry on purchasing the consumable of a measurement device, contact the sales agency of the corresponding product.
- Check the serial number (S/N) of the product box (sticker) or the [Settings > Product Info] menu before contacting the customer center and provide the information to receive the much faster service.

05



| The representative phone number of the Hicare customer center |

Provide the correct information on the product, model name, failure status, and contact number to receive the prompt and kind consultation.



Specifications

Please understand that the product specification may be changed without prior notice to improve the exterior and the product performance.

Model Name	HX-461
Rating Supported	DC 12V/3.5A
Measurement range	Systolic Blood Pressure : More than 40 mmHg Diastolic Blood Pressure : More than 20 mmHg Pulse rate : 30 ~ 200 beats/minute
Operating Temperature	Temperature : 10~40°C, Humidity : 20~85%
Weight	About 2.1Kg
Product Size	259(W)mm X 215(D)mm X 259(H)mm
LCD	10.1 inch TFT LCD (WSVGA, 1024X600)
Internal Memory	512MB DDR2 SDRAM, 1GByte NAND Flash
External Device	Bluetooth : Class2, Bluetooth® 2.0+EDR, Frequency Range : 2402~2480MHz USB : USB 2.0 Host (The function is not supported in the current product version.)
Wi-Fi	Frequency Range : WLAN 2412~2472 MHz
Speaker	Rated Output : 2W(L: 1W + R: 1W), Impedance : 8Ω ± 15%, Frequency Range : 700Hz~20KHz
Battery	Li-Polymer battery, 7.4V/3000mAh



Company Name : Insung Information Co., Ltd.
Equipment Name (Model Name) : Hicare Home Doctor (HX-461)
Auto Blood Pressure Meter
Manufactured on : 2011.
Manufacturer / Made in : Seers Technology / Korea

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DESIGNED BY INSUNG INFORMATION CO.,LTD. IN KOREA

Warranty Regulations / Warranty

Warranty Regulations

- In case of the normal usage in compliance with the details of the instructions for use provided, the A/S case occurring within 1 year of the product purchase is handled for free.
- However, it is repaired at a cost even within the warranty period for free repair in the following cases.
 - The failure or damage caused by the inadvertent storage, user's negligence or error, disassembly, or modification
 - If a failure is not caused by the product
 - If the product is not registered
 - The failure or damage caused by a natural disaster
 - If a consumable part (battery, etc.) is dead (The guaranteed battery lifetime is 6 months.)

07

Warranty	
Model Name	HX- 461
Product Number	
Customer Name	
Purchase Date and Time	
Seller	
Warranty Period	1 year of the purchase date

** Be sure to put them down during the product purchase.
The warranty is used only in the nation. It is not reissued. Be sure to keep it.

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Home Doctor

CE 1023

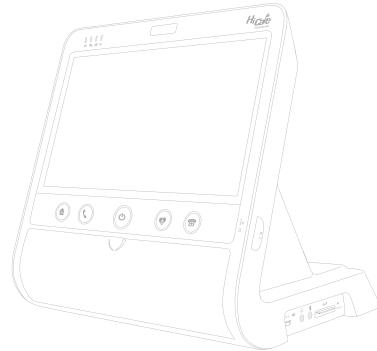


Manufactured for
SEERSTECHNOLOGY Co., Ltd.

Techcenter1210,190-1,Sangdaewon-dong,
Jungwon-gu Seongnam-si,Gyeonggi-do, Korea



Autorised Representative



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Hicafe

DESIGNED BY INSUNG INFORMATION CO.,LTD. IN KOREA

How to use

The functions needed for product use are explained.

5. Bluetooth

1

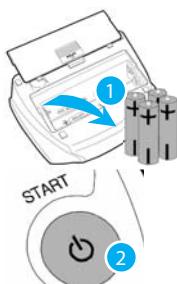


◀ Select the [Settings > Bluetooth] menu.

○ Connecting the Bluetooth Blood pressure monitor (Pairing)

[When Using the ~~AND~~ blood pressure monitor: Model Name UA-767 PBT-C]

1



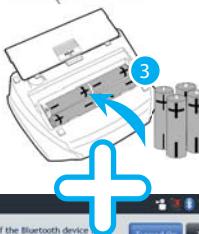
1 Take out four batteries from the blood pressure monitor.

2



2 Press the [Start] button several times to completely discharge the voltage remaining in the blood pressure monitor.

3



3 Put four batteries into the blood pressure monitor.



4 Select the [Search] button from the system unit screen.



- If the pairing process does not complete within approximately one minute, it will end without pairing the unit with the device

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Home Doctor

How to use

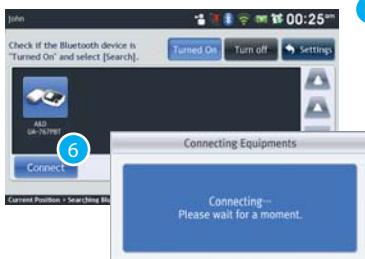
The functions needed for product use are explained.

4



5 A Bluetooth device is being searched.

5



6 As the results of searching, the image, manufacturer, and product name of the Bluetooth device possibly connected are displayed. Select the product image and the **[Connect]** button.

6



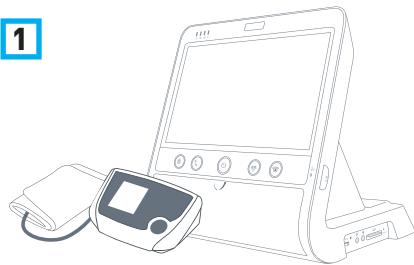
7 The Bluetooth connection with the system unit is completed successfully.

8 In case of a failure in the Bluetooth connection with the system unit, try to do it again from scratch.

How to use

The functions needed for product use are explained.

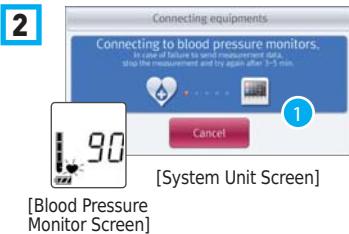
1 Data Transmission [When Using the **AND** blood pressure monitor]



Heart icon Please check the following matters to send a blood pressure measurement value.

Bluetooth Setting the docking of the Bluetooth blood pressure monitor (pairing).

Register the blood pressure monitor in the system unit to send the blood pressure measurement value to the system unit. Pairing is executed only once in the initial period



- Measure the blood pressure or check the measurement value saved in the blood pressure monitor.

- The blood pressure monitor attempts the connection to send a measurement value to the system unit during the blood pressure measurement.



- If the measurement is suspended forcibly during the blood pressure measurement, select the **[Cancel]** button of the system unit screen to suspend the sending of the measurement value.

- Check the person who logs in.

- It a measurement value is sent, the sending completion message is displayed.

- It was saved and sent. Select the **[OK]** button to view the opinion on the measurement value.



- A measurement value is personal health information. Please check the measurement target information.
- If blood pressure data have failed to be transmitted, measure blood pressure again after 5 minutes



- Measured on details, please refer to the manual of the measuring device.

Home Doctor

How to use

The functions needed for product use are explained.

5. Bluetooth

1



◀ Select the [Settings > Bluetooth] menu.

○ Connecting the Bluetooth blood pressure monitor (Pairing)

[When Using the OMRON blood pressure monitor: Model Name HEM-7081IT]

1



1 Display the measurement results.

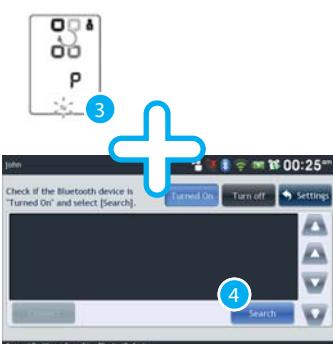
2



2 Press and hold the [Upload] button for more than 3 seconds.

3 The bluetooth upload symbol blinks when the unit is ready for registration.

3



4 Select the [Search] button from the system unit screen.



- If the pairing process does not complete within approximately one minute, it will end without pairing the unit with the device

How to use

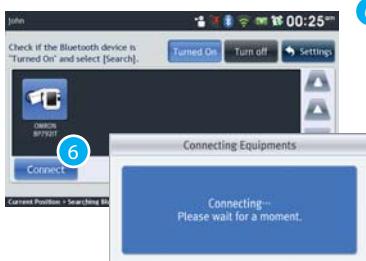
The functions needed for product use are explained.

4



5 A Bluetooth device is being searched.

5

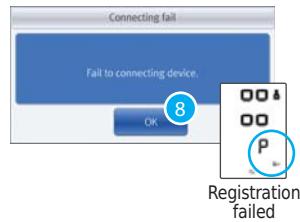


6 As the results of searching, the image, manufacturer, and product name of the Bluetooth device possibly connected are displayed. Select the product image and the [Connect] button.

6



7 The Bluetooth connection with the system unit is completed successfully.

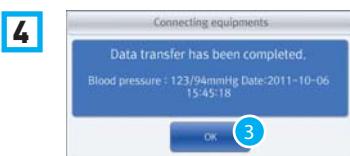
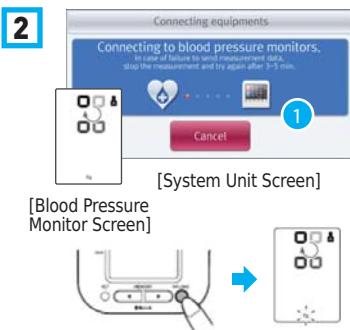
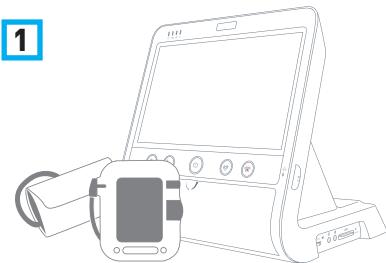


8 In case of a failure in the Bluetooth connection with the system unit, try to do it again from scratch.

How to use

The functions needed for product use are explained.

■ Data Transmission [When Using the **omron** blood pressure monitor]



Bluetooth Follow the procedure below to pair the unit with the destination device (pairing).

Register the blood pressure monitor in the system unit to send the blood pressure measurement value to the system unit. Pairing is executed only once in the initial period

- Measure the blood pressure or check the measurement value saved in the blood pressure monitor.

- To transfer measurement results, start data transmission after the measurement is complete. (If it does not automatically transfer, press the **[Upload]** button)

- Check the person who logs in.

 - A measurement value is personal health information. Please check the measurement target information.

- It a measurement value is sent, the sending completion message is displayed.

- It was saved and sent. Select the **[OK]** button to view the opinion on the measurement value.



- Attention) If the sending is unsuccessful or the measurement is suspended during the blood pressure measurement, measure it again after 5 minutes to send it.

Home Doctor

How to use

The functions needed for product use are explained.

5. Bluetooth

1



◀ Select the [Settings > Bluetooth] menu.

Connecting the Bluetooth body composition monitor (Pairing)

[When Using the OMRON body composition monitor : Model Name HBF-206IT]

1



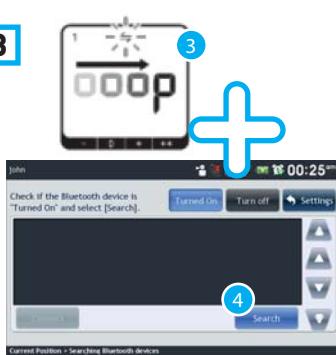
① Display the measurement results.

2



② Press the [Upload] button for 2seconds or longer.

3



③ The bluetooth upload symbol blinks when the unit ready for registration.

④ Select the [Search] button from the system unit screen.



- If the pairing process does not complete within approximately one minute, it will end without pairing the with the device.

How to use

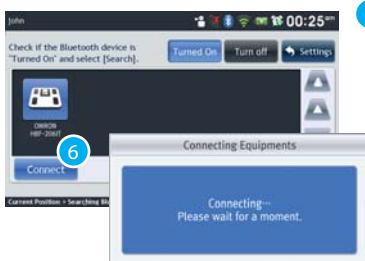
The functions needed for product use are explained.

4



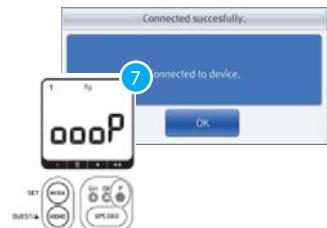
5 A Bluetooth device is being searched.

5



6 As the results of searching, the image, manufacturer, and product name of the Bluetooth device possibly connected are displayed. Select the product image and the **[Connect]** button.

6



7 The Bluetooth connection with the system unit is completed successfully.



- If the pairing completes successfully, the P indicator lights and the alarm will beep(Blip! Blip!)



8 In case of a failure in the Bluetooth connection with the system unit, try to do it again from scratch.

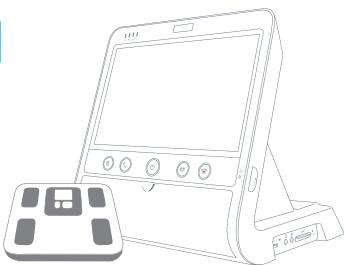
HiCafe
Home Doctor

How to use

The functions needed for product use are explained.

■ Data Transmission [When Using the **omron** body composition monitor]

1



Follow the procedure below to pair the unit with the destination device (pairing).

Register the body composition monitor in the system unit to send the data to the system unit. Pairing is executed only once in the initial period

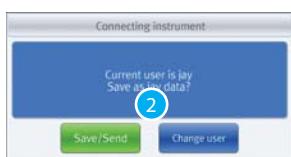
2



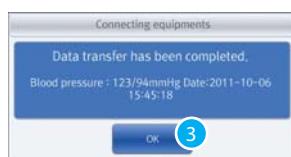
[System Unit Screen]

[Body Composition Monitor Screen]

3



4



- Display the measurement results.

1 Press the **[Upload]** button

The display changes to the data transmission screen, and the unit starts transferring the data.

2 Check the person who logs in.

A measurement value is personal health information. Please check the measurement target information.

3 If a measurement value is sent, the sending completion message is displayed.



- If the data is sent successfully, the OK indicator lights and the alarm will beep(Blip!Blip!)



- Measured on details, please refer to the manual of the measuring device.

Home Doctor

How to use

The functions needed for product use are explained.

○ Connecting the Bluetooth pulse oximeter. (Pairing)

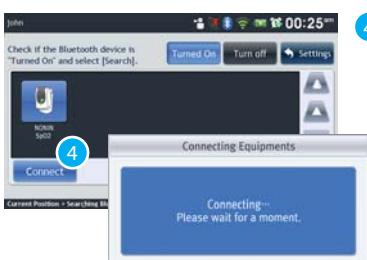
[When Using the **NONIN** pulse oximeter : Onyx® II Model 9560]

- 

1 Insert the patient's finger, nail side up, into the Model 9560.
- 

2 Select the **[Search]** button from the system unit screen.
- 

3 A Bluetooth device is being searched.

i This step also triggers the 90 second discovery mode. If that section is not completed by the end of 90 seconds then the device will need to be removed from the finger to turn it off and then put back on. This will restart the 90 second discovery mode.
- 

4 As the results of searching, the image, manufacturer, and product name of the Bluetooth device possibly connected are displayed. Select the product image and the **[Connect]** button.
- 

5 The Bluetooth connection with the system unit is completed successfully.
- 

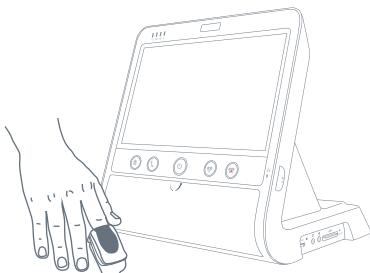
6 In case of a failure in the Bluetooth connection with the system unit, try to do it again from scratch.

How to use

The functions needed for product use are explained.

■ Data Transmission [When Using the **NONIN** pulse oximeter : Onyx® II Model 9560]

1

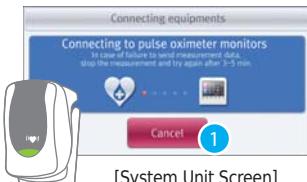


Using Model 9560 and Verifying Operation.

Bluetooth Setting the docking of the pulse oximeter (pairing).

Register the pulse oximeter in the system unit to send the SpO₂ value to the system unit. Pairing is executed only once in the initial period.

2



[Pulse Oximeter Screen]

- 1 Activate the Model 9560 by inserting the patient's finger into the unit. The Model 9560 detects the inserted finger and automatically illuminates the displays.

⚠ - If the measurement is suspended forcibly during the SpO₂ measurement, select the [Cancel] button of the system unit screen to suspend the sending of the measurement value.

3

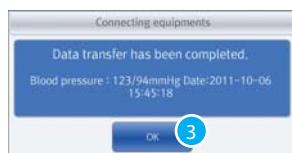


- 2 Check the person who logs in.

● It a measurement value is sent, the sending completion message is displayed.

- 3 It was saved and sent. Select the [OK] button to view the opinion on the measurement value.

4



⚠ - A measurement value is personal health information. Please check the measurement target information.
- The Model 9560 contains numeric LEDs that display oxygen saturation and pulse rate. A tricolor LED display provides a visual indication of the pulse signal quality, while blinking at the corresponding pulse rate. This display changes colors to alert you to changes in pulse quality that may affect the readings: green indicates a good pulse signal, yellow indicates a marginal pulse signal, and red indicates an inadequate pulse signal.

How to use

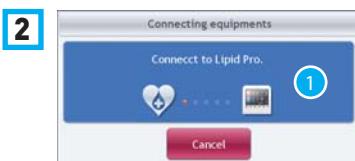
The functions needed for product use are explained.

Connecting the measurement device to receive the measurement value

Data Transmission [When Using the Infopia Cholesterol Meter : Lipid Pro meter]

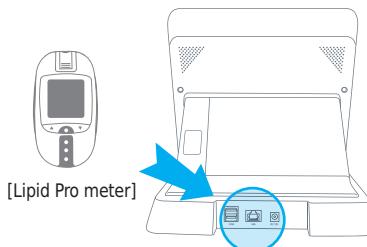


1 Select the [Measurement > cholesterol] menu.

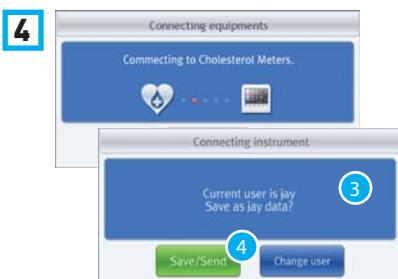


[System Unit Screen]

2 Connect the USB cable of the measuring device



3 Check the person who logs in.



4 Check the person who logs in.

 - A measurement value is personal health information. Please check the measurement target information.

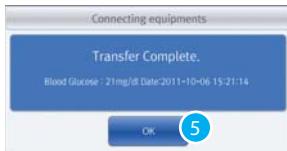
5 Select the [Save / Send] button.

• If a measurement value is sent, the sending completion message is displayed.

How to use

The functions needed for product use are explained.

3



4



5



5 It was saved and sent. Select the [OK] button to view the opinion on the measurement value.

6 Select the [Accumulated] button to view the measurement result value in the graph.



- Measured on details, please refer to the manual of the measuring device.

Home Doctor

How to use

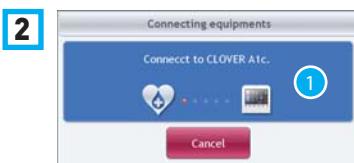
The functions needed for product use are explained.

Connecting the measurement device to receive the measurement value

Data Transmission [When Using the HbA1c analyzer : Clover A1c]

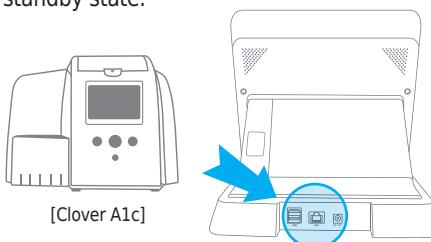


1 Select the [Measurement > HbA1c] menu.

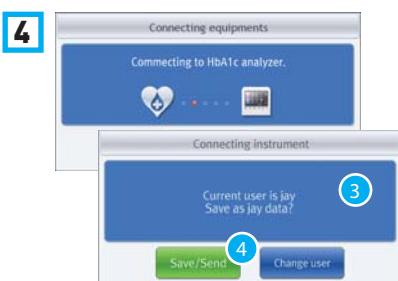


[System Unit Screen]

2 Connect the USB cable when [Clover A1c] is in the standby state.



3 Check the person who logs in.



4 Check the person who logs in.

 - A measurement value is personal health information. Please check the measurement target information.

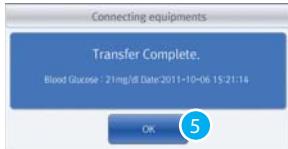
5 Select the [Save / Send] button.

● If a measurement value is sent, the sending completion message is displayed.

How to use

The functions needed for product use are explained.

3



5 It was saved and sent. Select the [OK] button to view the opinion on the measurement value.

4



- Measured on details, please refer to the manual of the measuring device.

Home Doctor