

GLUCO DIARY

(Blood Glucose Management Program User Manual)



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1. Introduction program

1.1 User manual

This user manual consists of the method of installation and operation for use of Gluco Diary.

You can download Gluco Diary (Blood Glucose Management Program) at infopia website (<http://www.infopia21.com/en/index.php>)

PC communication and USB cable will be purchased from off-line shop separately.

Gluco Diary (Blood Glucose Management Program) offers you various reports and helps you to manage glucose level effectively.

1.2 Customer service

If you have any problems, please contact us directly.

(<http://www.infopia21.com/enNew/> or +82+31+4600300)

The screenshot shows the Infopia website's Support page. The top navigation bar includes links for About Infopia, R & D, Business, Investors, Support, and PR Room. The Support section is highlighted with a red border and contains sub-links for Download, FAQ, Contact Information, and Contact Us. Below the navigation bar, the breadcrumb trail reads 'HOME > Support > FAQ'. The main content area is titled 'Support' and 'FAQ'. On the left, there is a sidebar with links for Download, FAQ (highlighted), Contact Information, and Contact Us. The main content area displays two FAQ items:

- Q** I've inserted a test strip, but the meter doesn't turn on
- A** It may be because you failed to completely insert the test strip. Insert the strip completely. Replace the battery. If it doesn't order, please give me a call (+82-80-300-8114).
- Q** How do I measure blood glucose?



2. Composition of product

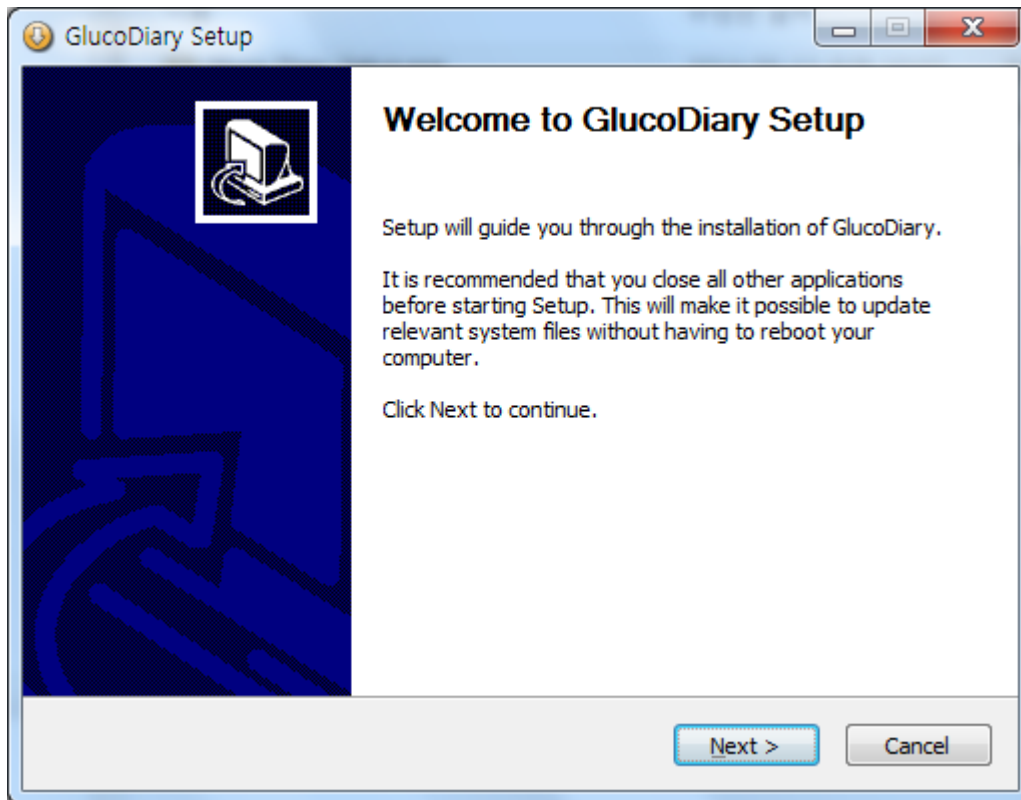
- PC communication cable (serial cable or USB cable)
- Gluco Diary Setup program (You can download program at infopia website)
<http://www.infopia21.com/enNew/>
- User instruction of Gluco Diary program.

3. Required environment for system

- OS : Windows XP, Windows Vista, Windows 7
- CPU : over 300 MHz Processor
(*Intel Pentium/Celeron, AMD K6/Athlon/Duron or Compatible Processor)
- RAM : over 64 Megabyte
- Resolution : over 1024X768
- Hard disk : over 70 Megabyte roomy space.
- Port : COM1~COM100 (automatic recognition)
 - Bit/Second (Baud rate) : 4800bps
 - Data Bit : 8
 - Parity : NONE
 - Stop Bit : 1

4. Installation

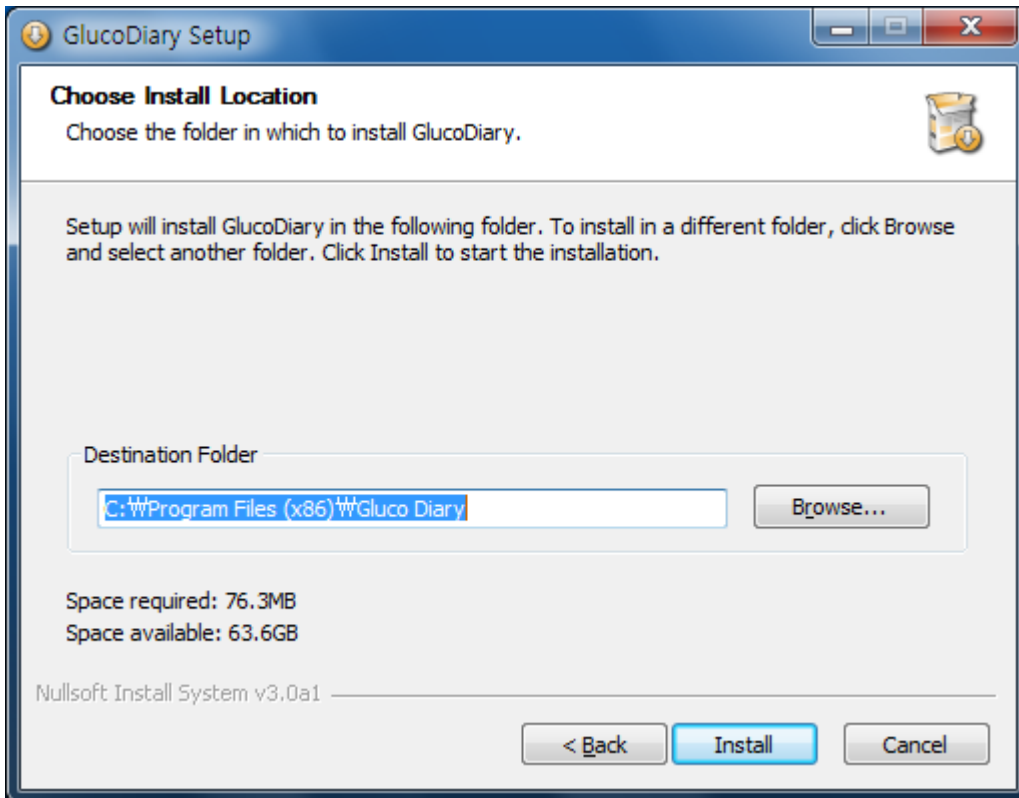
- 1) Please insert Installation disk(Install file) or CD to PC driver.
- 2) Please carry out “Glucodiary_setup.exe” file in the disk (CD or Install file).
- 3) Click [NEXT] button.



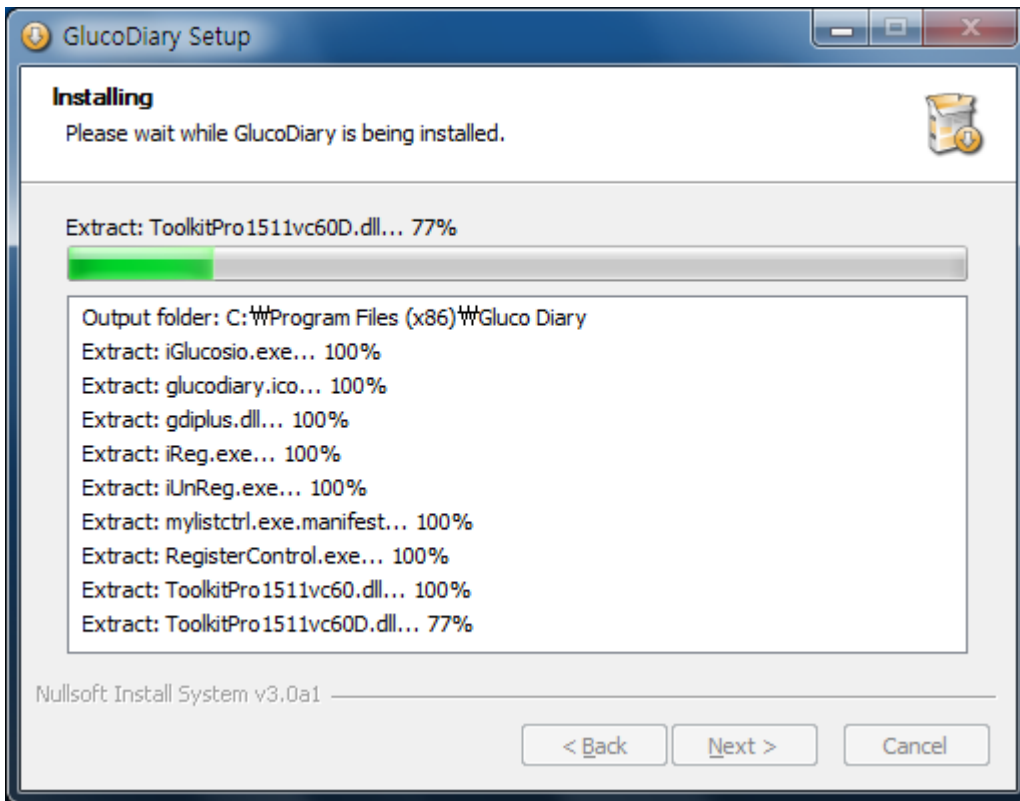


4) Please click the [Start install] button after assigning installation folder.

We suggest you use applied folder basically.



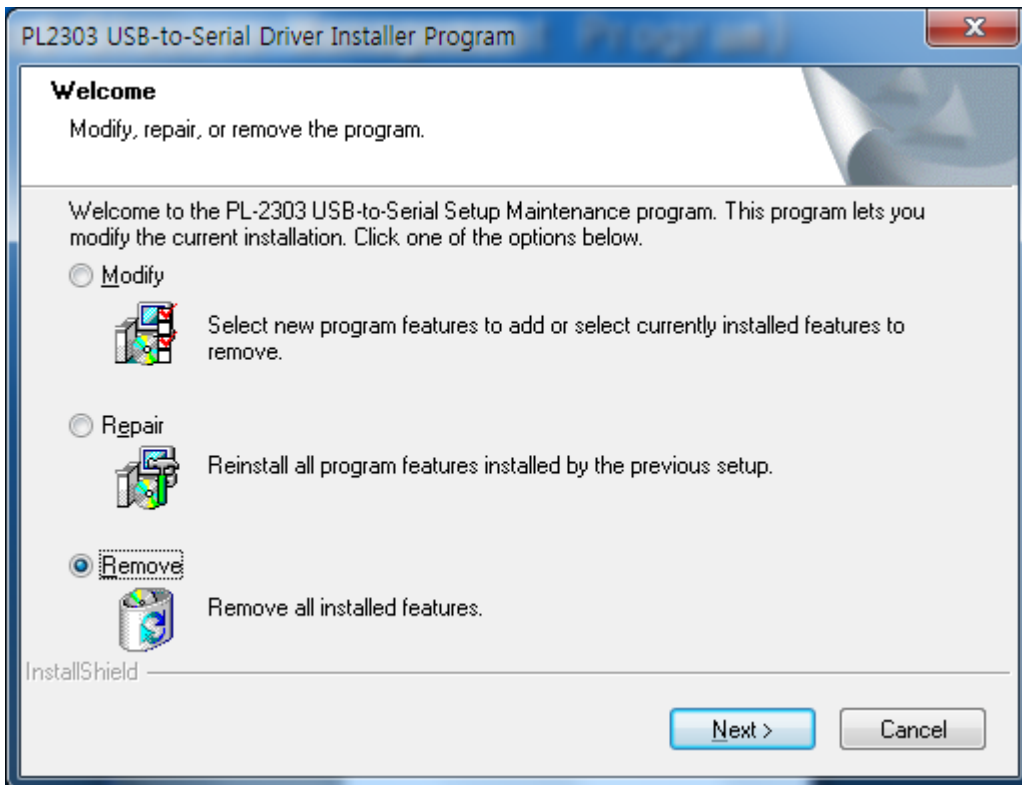
5) Program will be Installed automatically.



6) In case of using USB cable, please click [NEXT] button in order to install driver program after “PL-2303 Driver Installer Program” is popped up on the monitor.

If you use serial cable, please click the [Cancel] button due to you don't need this process.

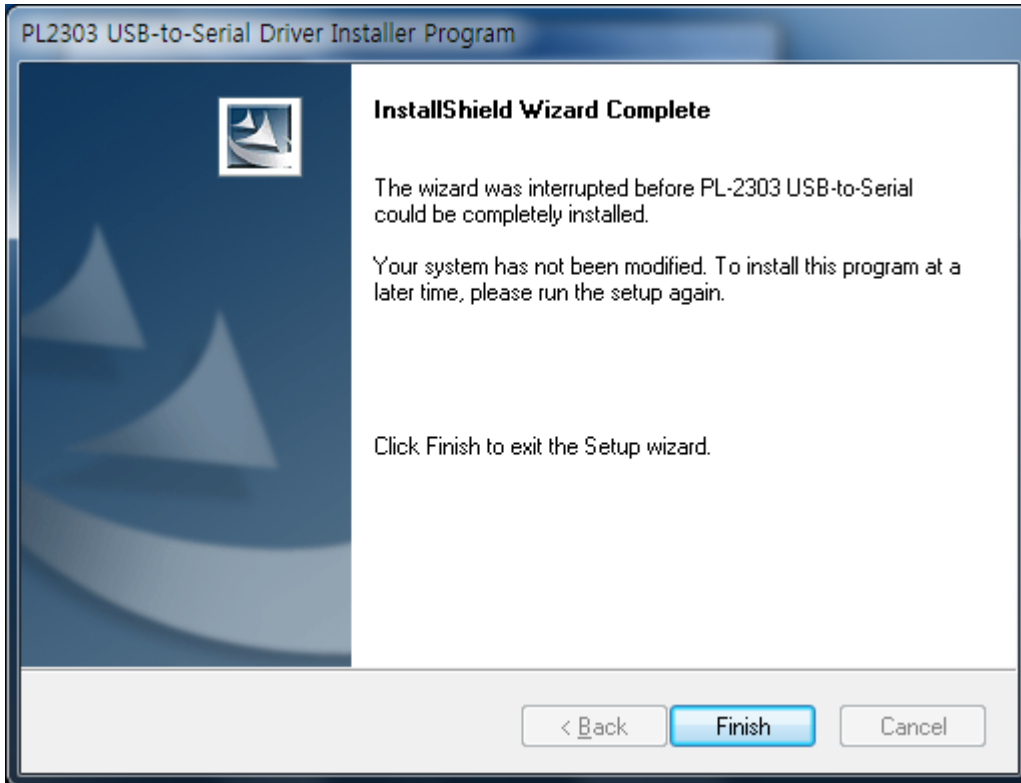
If “PL-2303 Driver Installer Program” window is not appeared, please click the [Alt] key and [Tab] key at the same time and find the program window.



Caution) If the program was already installed, please click the [Cancel] button.

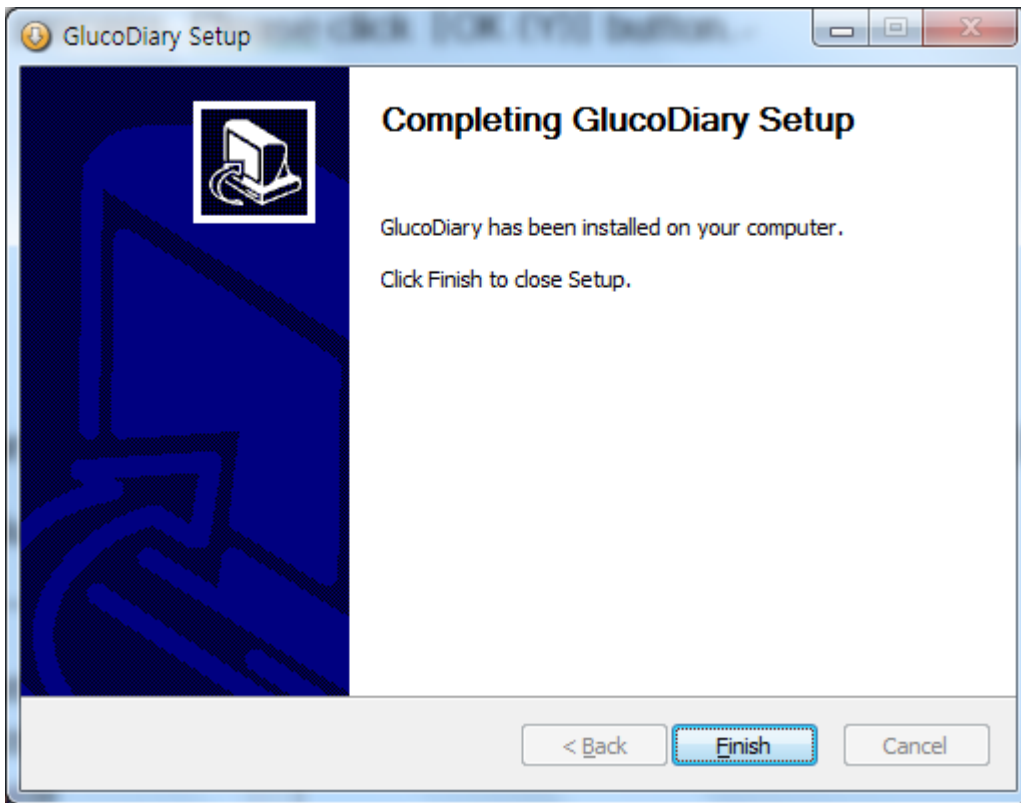


7) After installed USB-to-Serial, “InstallShield Wizard Complete” will be shown.
And then please click [Finish] button.



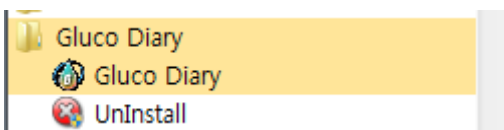


8) In order to finish all of process, Please click [OK (Y)] button.



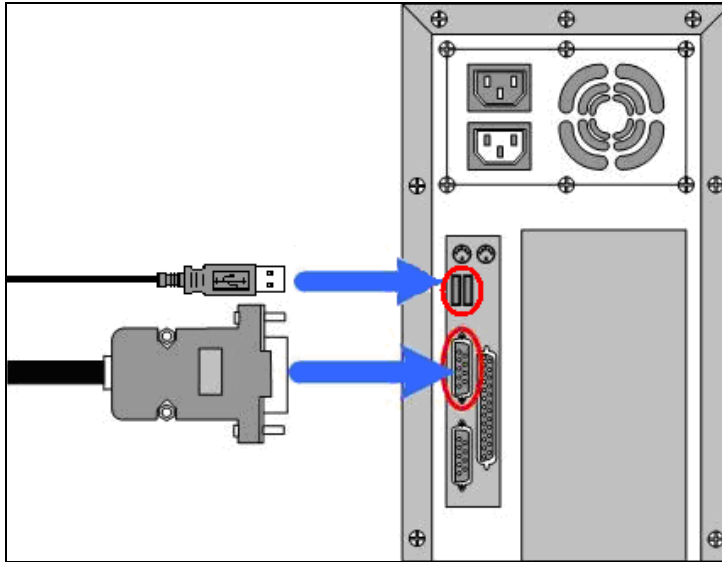
9) Shortcut of “Gluco Diary” will be created on computer wallpaper and [Start]–[Program].

If you click the icon, Gluco Diary system will be started.



5. Use method

- 1) First, Please connect PC cable (Serial Cable or USB cable) with Glucose Meter, then Please connect to cable into computer as picture below.



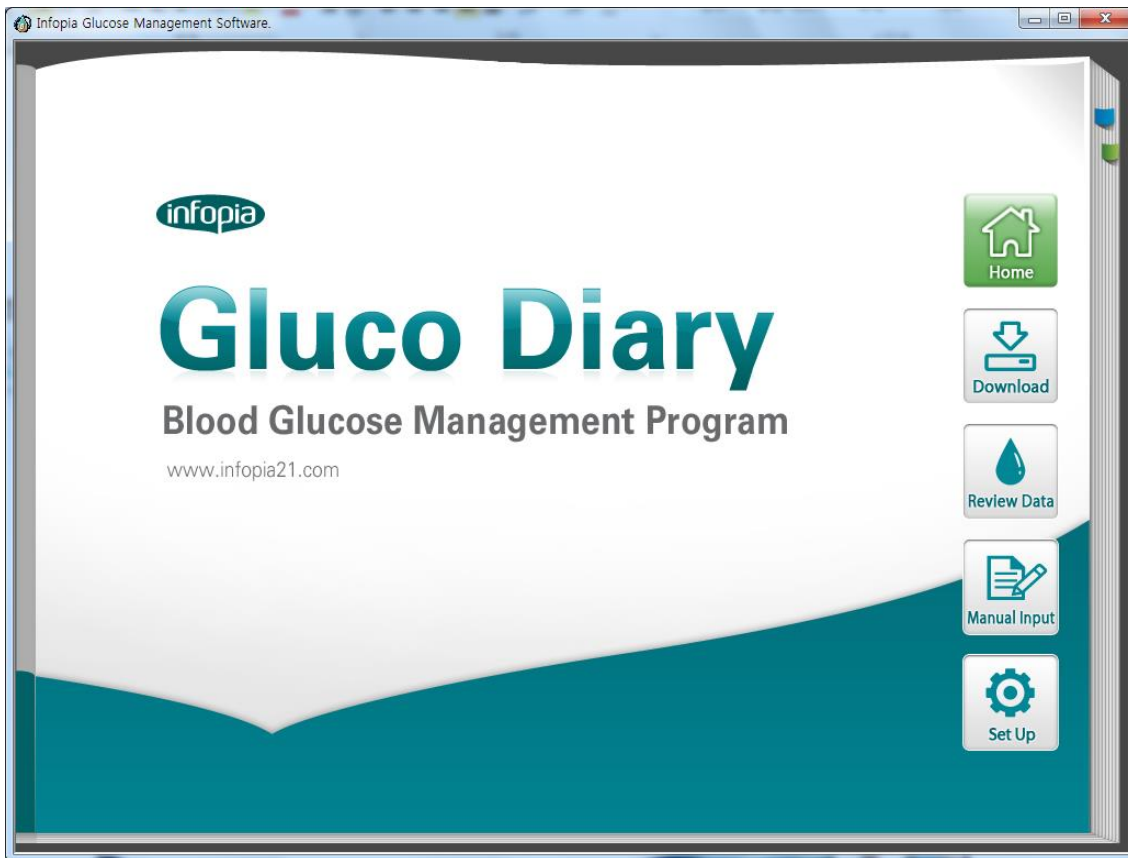
- 2) Second, please connect the stereo cable (jack) into Glucose Meter, then the message 'PC' will be shown on Meter's LCD as below picture.



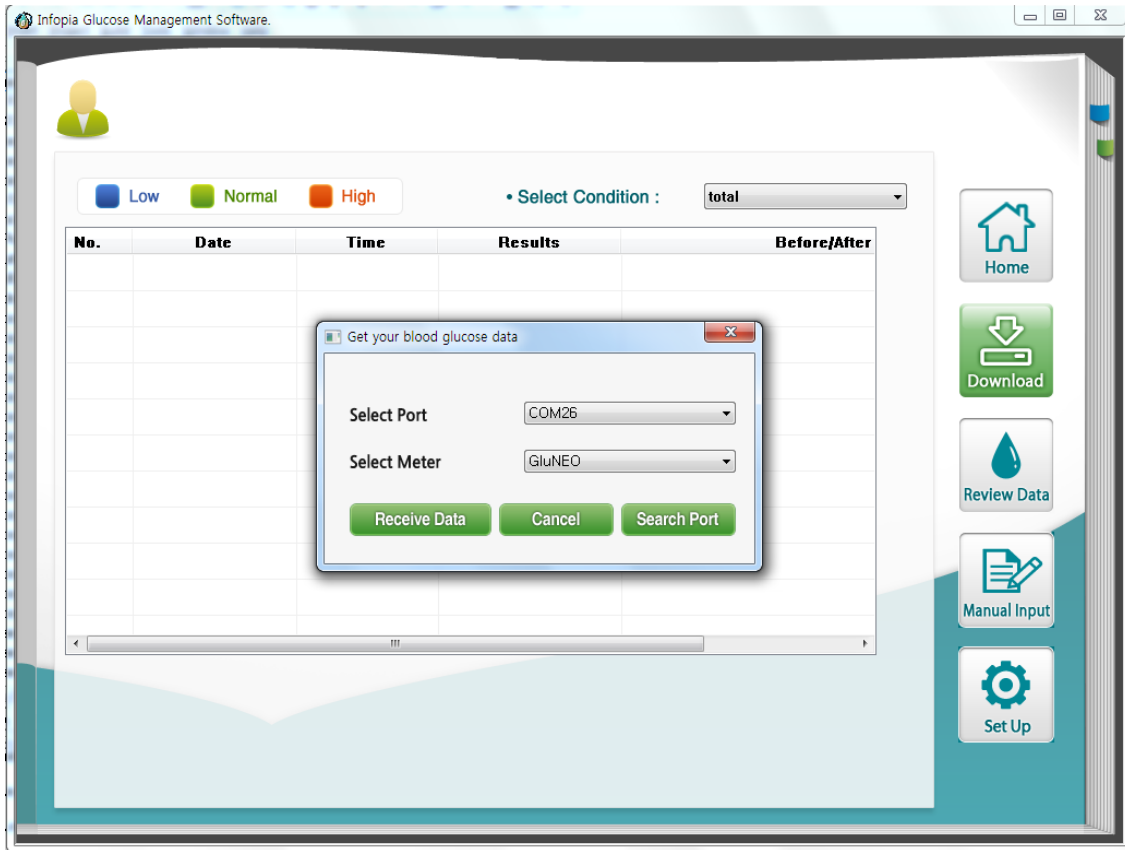
Caution) You can receive proper data when 'PC' will be shown on meter's LCD.



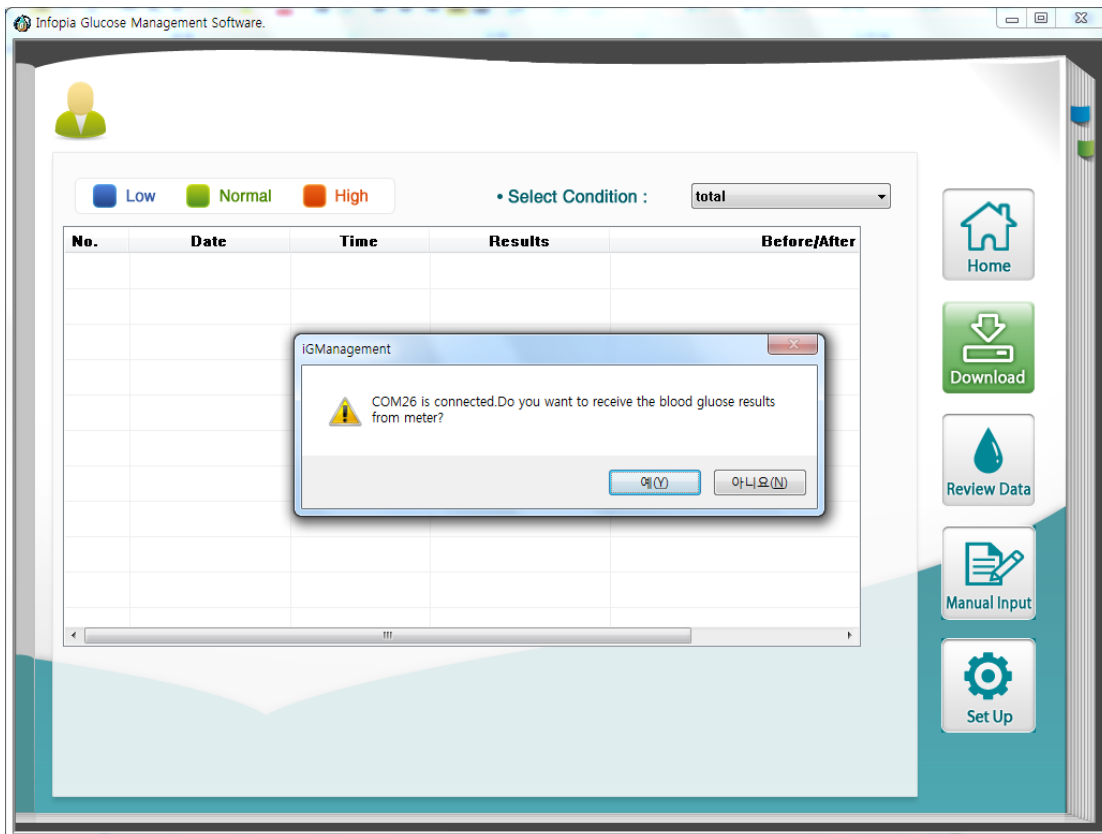
3) Please implement Gluco Diary program.



4) Please click [Download].

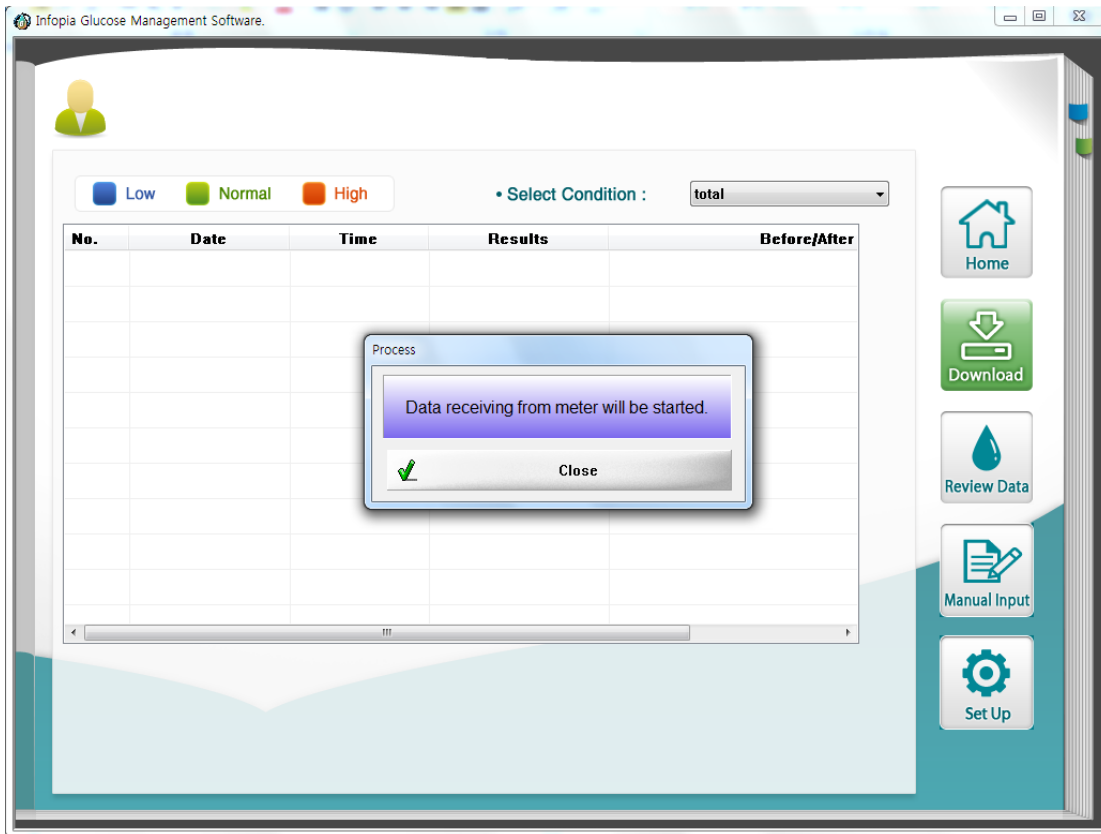


5) Please click 'Acquisition of BGM data' after choosing 'Port selection' and 'BGM selection'.





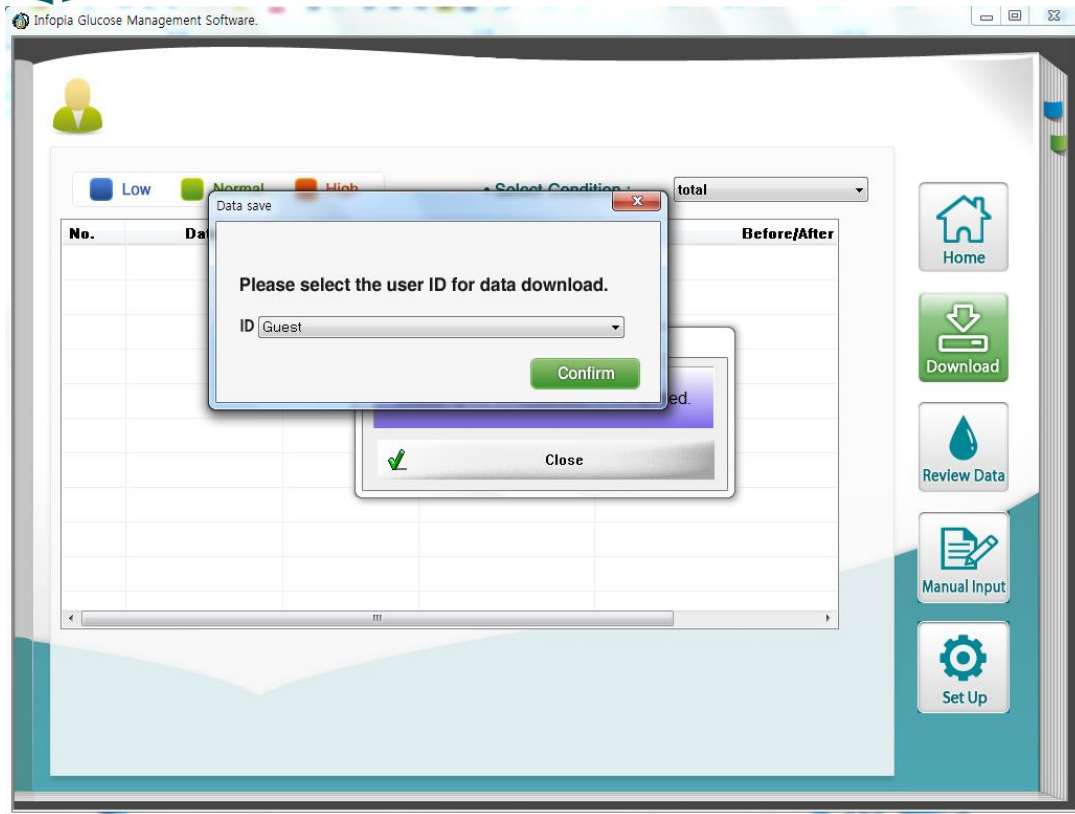
You can automatically download blood glucose data from Glucose Diary program.



After finished the process of download, message for saving date will be popped up.

Please select the user ID then click Yes button.

The downloaded blood glucose data will be stored at user ID chosen.



Caution) If properly connected with computer, automatically distinguishing the meter what you select when you select the port.

If you connect several meter into computer, distinguishing the order of priority.

After finished storing data, below message will be shown.

Infopia Glucose Management Software.

Low Normal High • Select Condition : total

No.	Date	Time	Results	Before/After
1	2014-02-20	16:09	Hi	after me:
2	2014-02-20	16:07	Hi	not chos
3	2014-02-20	16:0		not chos
4	2014-02-20	16:0		before me
5	2014-02-20	16:0		before me

Process

Receiving data is completed.

Close

Home
Download
Review Data
Manual Input
Set Up

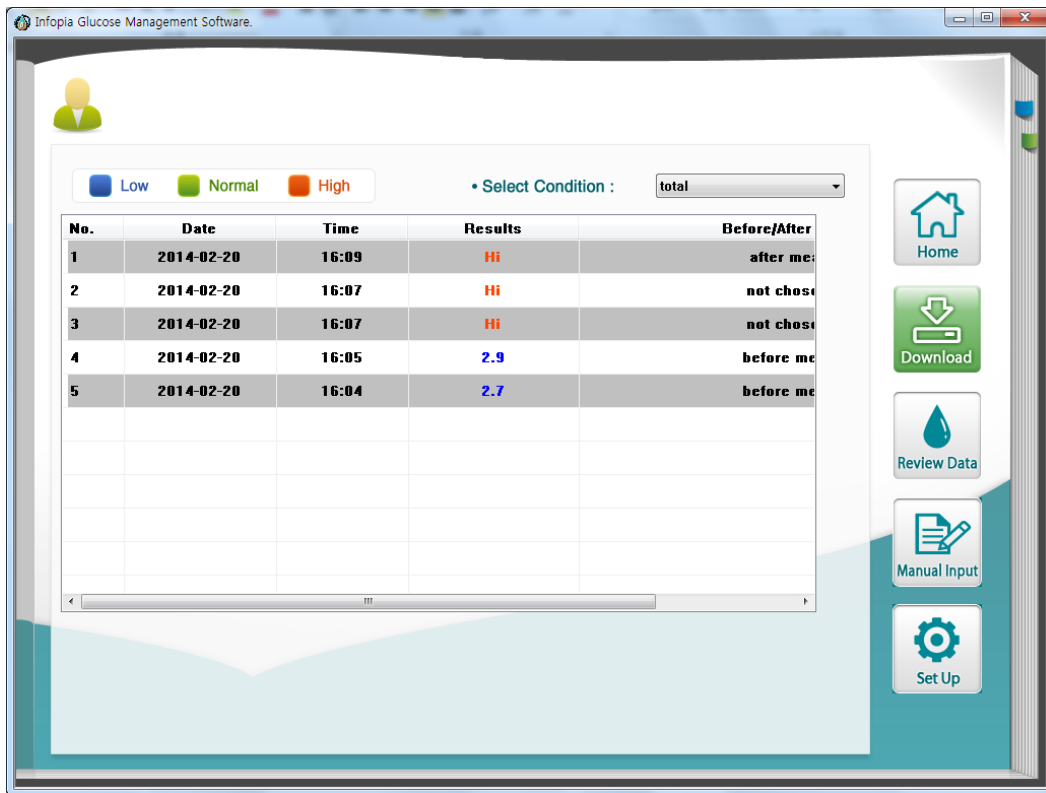
Process

No new data from meter.

Close



6) You can check all of downloaded data.

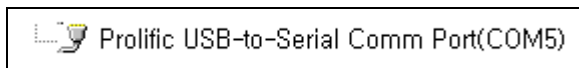


※ If there is communication error occurred during function 5), then, please check the bellows:

- (1) Please check whether the PC cable is connected to PC appropriately.
- (2) Please check batteries inside of blood glucose meter.
- (3) In case of using the USB cable, please check USB-to-Serial driver program installed appropriately.

After connecting USB cable to PC, the user can check the driver status in the Window program as below.

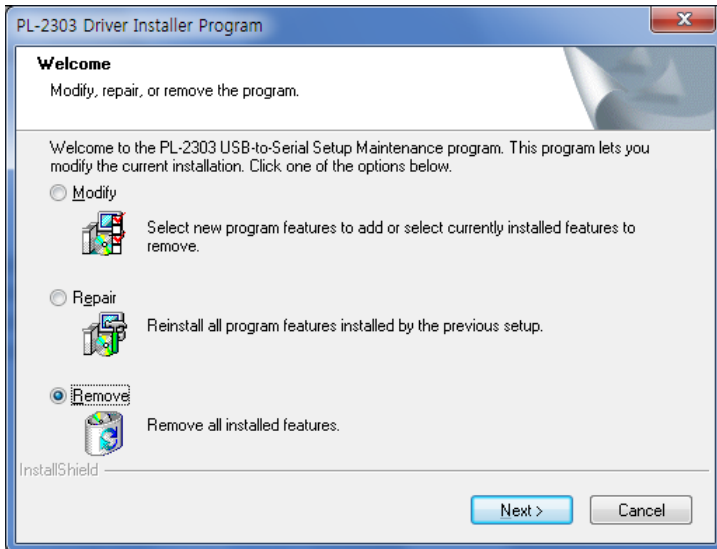
[Start] menu – [Set-up] menu – [Control panel] menu – [System] Icon – [Hardware] tap – [Device Manager] Button – [Port] tree menu



※ The uninstallation method of the USB-to-Serial is as below.

Caution) Cable has to be connected with PC during [remove] process.

- 1) Please use window explorer and find the directory of “C:\Program Files\Glucoco Diary\PL2303”
- 2) Please operate “PL2303_Prolific_DriverInstaller_v1417.exe” file.
- 3) When below message is displayed, please select the ‘Remove’ and then, click on the ‘next’.



Modify – The Driver will be installed again.

Repair – The Driver will be revised.

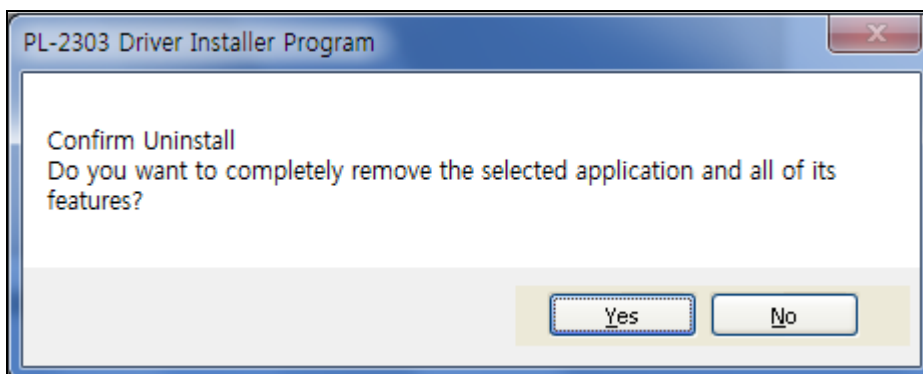
(But, if the existing version driver is different with new version, there may be some problems.)

Remove – The Driver will be removed.

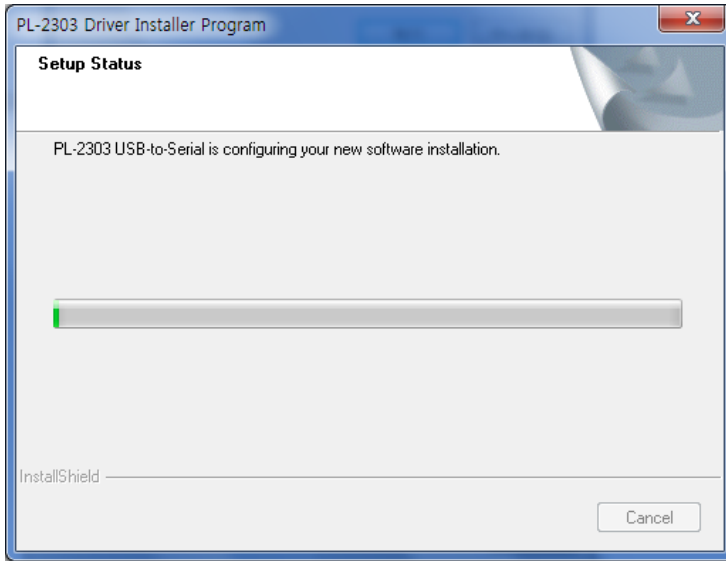
(But, The cable has to be connected with PC. Otherwise, there may be some problems.)

- 4) There will be a message which asks to delete the driver in the user PC as below.

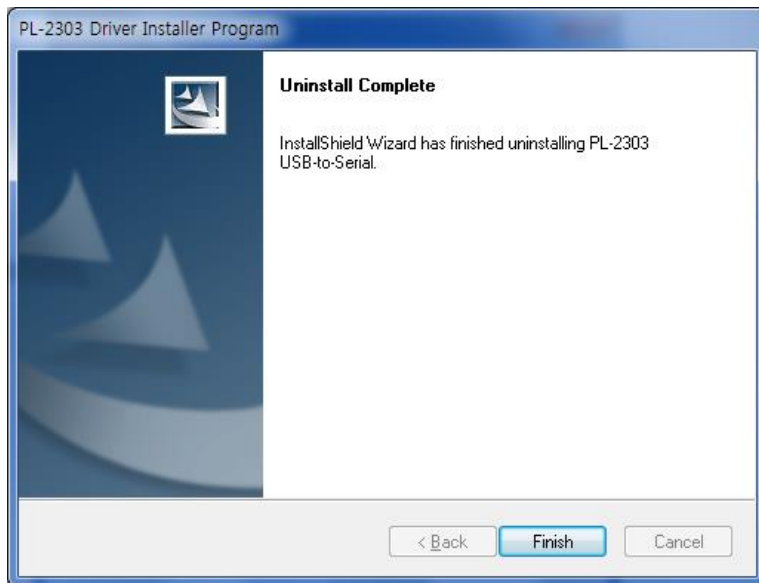
At this point, please click on [Yes (Y)].



5) The S/W program will delete the driver in the user PC automatically.



6) Once the driver is deleted in the user PC normally, below message will be displayed. And then, please click on [Finish] button.

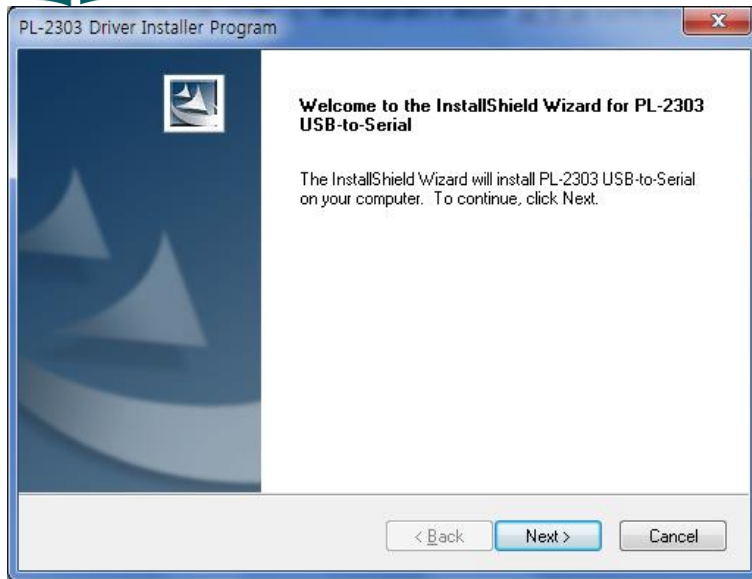


7) Please re-boot PC in use.

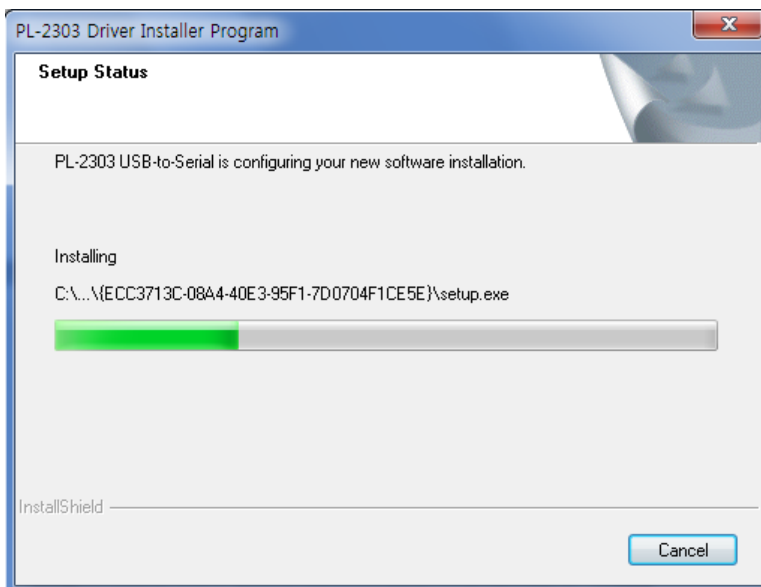
※ USB-to Serial driver installation method

1) Please find the directory of “C:\Program Files\Glucodiary\PL2303” by using window explorer.

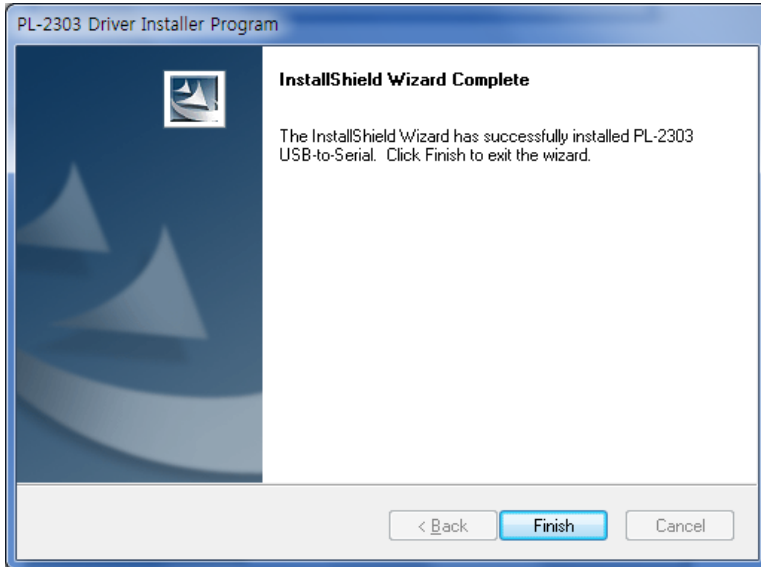
2) Please run “PL2303_Prolific_DriverInstaller_v1417.exe” file.



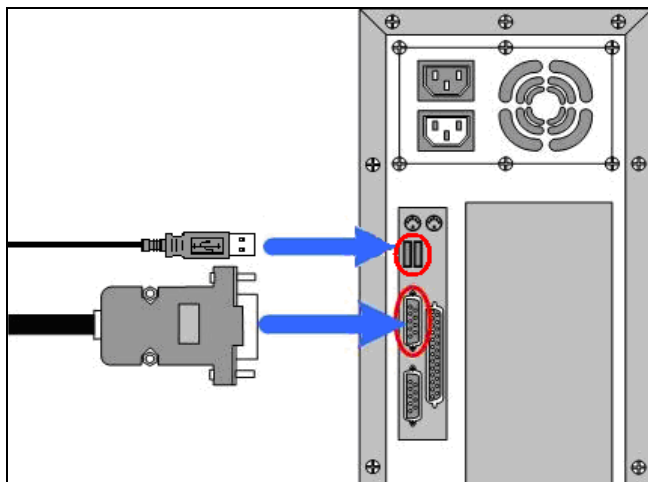
3) The S/W program will install the driver automatically.



4) Once installation is finished, please click on the [Finish] button.



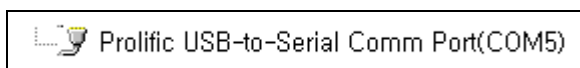
- 5) After connecting PC communication cable (serial cable or USB cable) into the blood glucose meter, please link the opposite part or cable to the PC or laptop which has the diabetes management S/W program.



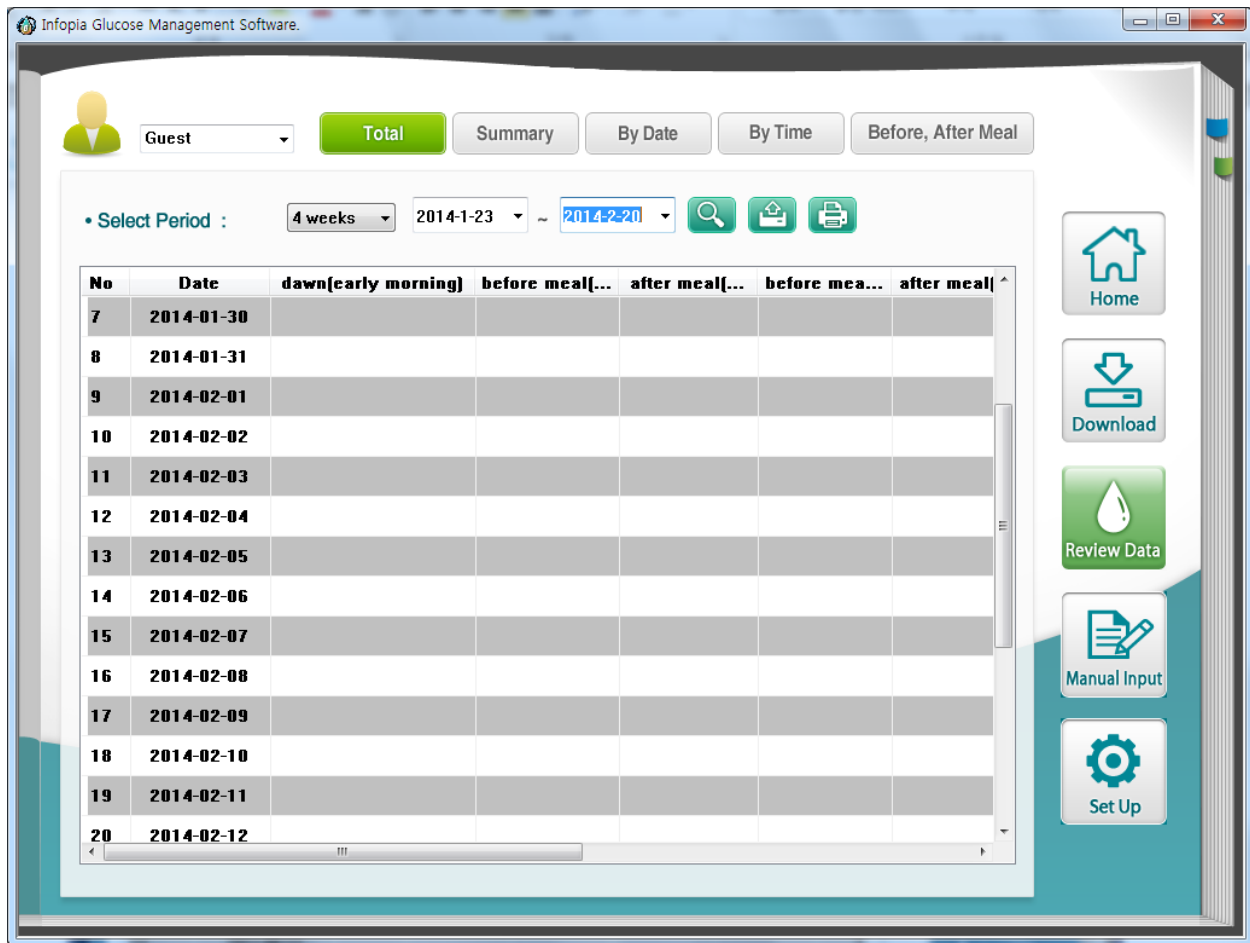
- 6) Please insert stereo jack of PC communication cable (serial cable or USB cable) into jack socket of blood glucose meter. And then, a message of 'PC' will be displayed on the blood glucose meter LCD. (If you use serial cable for the connection, the message of 'PC' may be displayed during communication status only.)

At this point, please check the driver registered normally as below.

[Start] menu – [Set-up] menu – [Control Panel] menu – [System] Icon – [Hardware] tap – [Device Manager] Button – [Port] tree menu



7. Screen composition



Division	Explanation
Home	It is main screen of the program and initial screen of implement.
Download	You can download the date of BGM.
Review Data	You can check the diverse downloaded data of BGM for current ID.
-Total	You can check all data with certain period for current ID.
-Summary	You can check summing-up data with certain period for current ID.
-By Date	You can check average data(Low/Normal/High glycemia) with certain period for current ID.
-By Time	You can check hourly average data(Low/Normal/High glycemia) with certain period for current ID.
-Before/After Meal	You can check average data (Fasting/Before meal/After meal/Before sleep) with certain period for current ID.

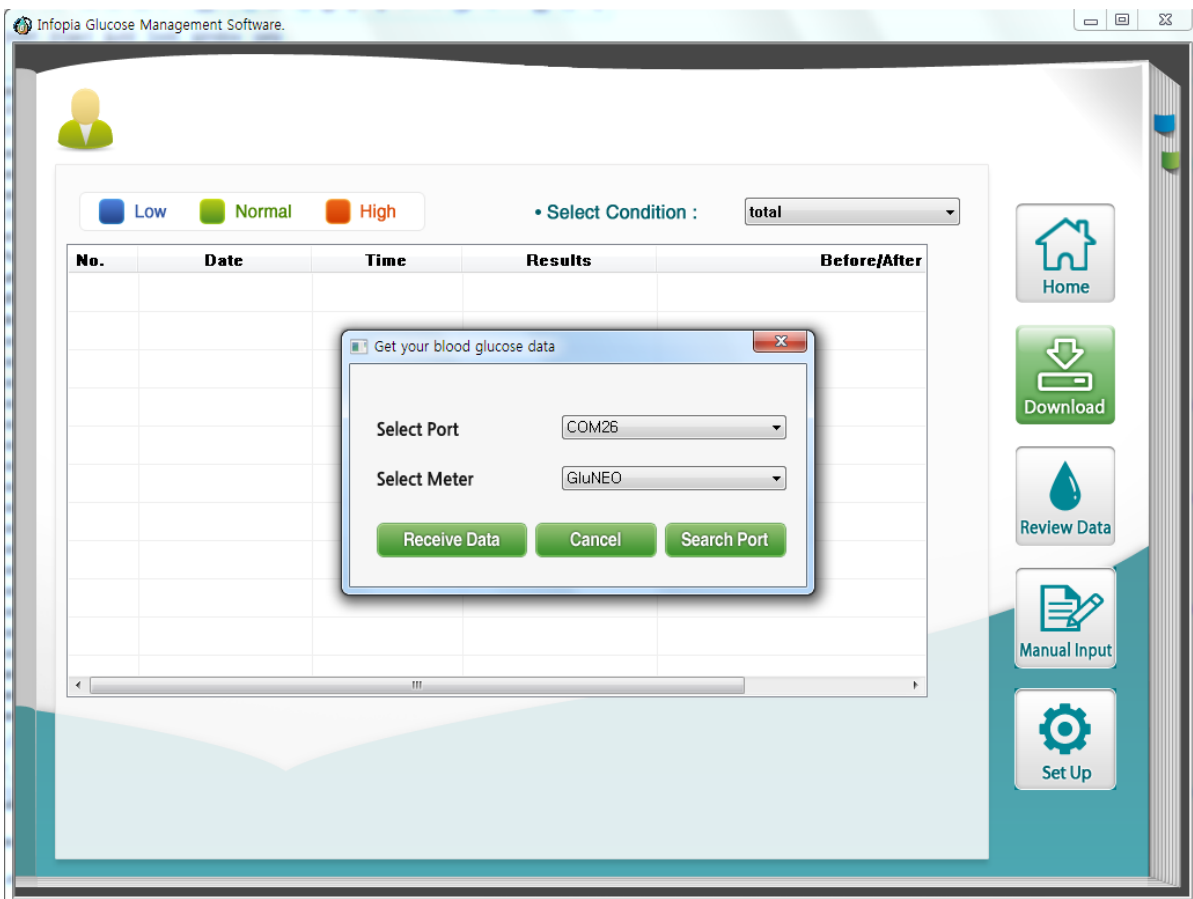
Manual input	You can input the data which are measured by other BGMs to current ID.
Set-up	You can manage setting of New ID registration / ID by users.
Print	You can print out the data with certain period of current ID.
Manager	You can Export out the data with certain period of current ID.

8. Operation by screen

8.1 Download



► Please use it when you need blood glucose data from BGM.



Division	Explanation
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Select Port	Please choose the communication port of BGM connection.
Select meter	Please choose BGM going to be downloaded for the data.
Receive Data	You can receive BGM data from the BGM port selected by user.
Search of Port	It will automatically search BGM port connected to user's computer.
Select Condition	You can see the data downloaded from BGM according to the conditions you want to check.(All, No choice, Before/After meal, After exercise, After taking drug, Control solution)
Cancel	You can cancel downloading BGM data.

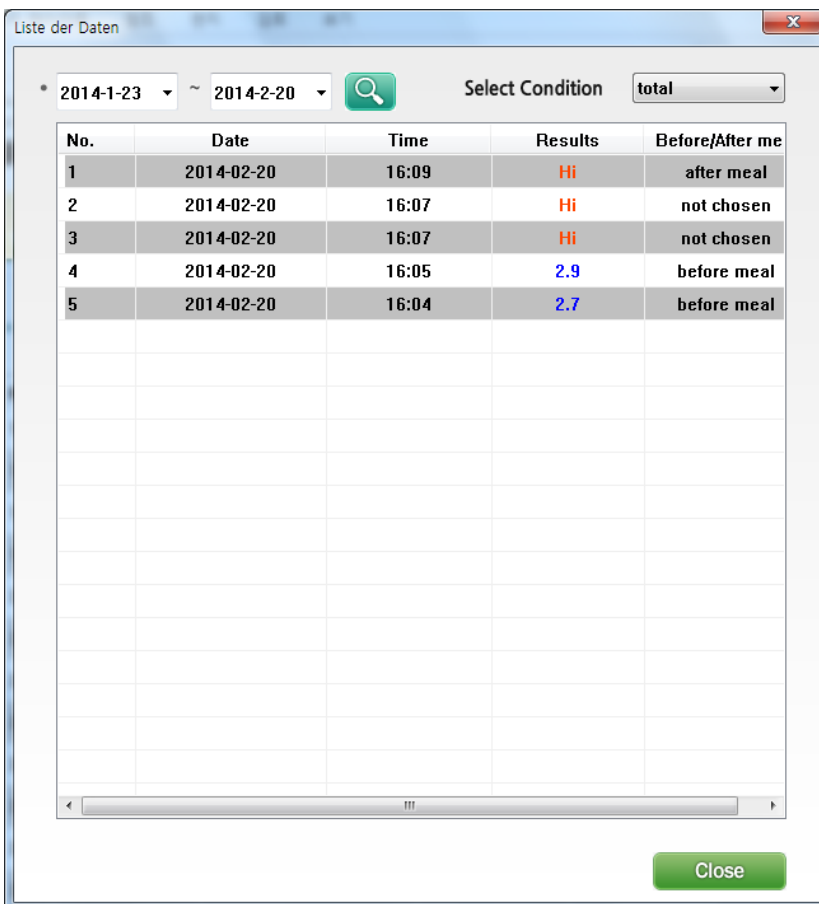
8.2 Review Data – Total



- Please use it when you need all of blood glucose data from BGM for current ID.

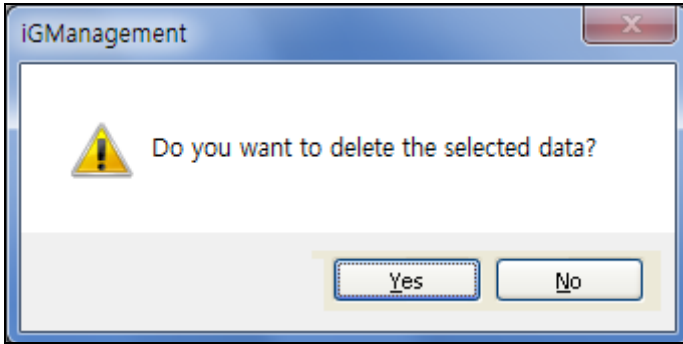
The screenshot displays the 'Infopia Glucose Management Software' interface. At the top, there is a user profile icon labeled 'Guest' and a navigation bar with buttons for 'Total', 'Summary', 'By Date', 'By Time', and 'Before, After Meal'. Below this, a 'Select Period' section shows a dropdown for '4 weeks', a date range from '2014-1-23' to '2014-2-20', and icons for search, refresh, and print. The main area is a table with columns for 'No', 'Date', 'dawn[early morning]', 'before meal[...]', 'after meal[...]', 'before mea...', and 'after meal'. The table lists dates from 2014-01-24 to 2014-02-06. On the right side, there is a vertical sidebar with icons for 'Home', 'Download', 'Review Data', 'Manual Input', and 'Set Up'.

Division	Explanation
	It displays current user's ID. (ID can be changeable)
Select Period	You can set up the period of blood glucose data. (Please be informed that the period is set up based on present date.)
Search	You can check the data with designated period by user. (Please be informed that the designation of period is available by 365 days as maximum.)
Print	Please use it to print out data.
Manager	You can Export out the data with certain period of current ID.
"Date" Double Click	You can check the separated data of selected period.



The screenshot shows a window titled "Liste der Daten" with a search interface and a data table. The search criteria are set to "2014-1-23" to "2014-2-20" with a "total" condition. The table displays five entries of blood glucose data for the date 2014-02-20.

No.	Date	Time	Results	Before/After me
1	2014-02-20	16:09	Hi	after meal
2	2014-02-20	16:07	Hi	not chosen
3	2014-02-20	16:07	Hi	not chosen
4	2014-02-20	16:05	2.9	before meal
5	2014-02-20	16:04	2.7	before meal



Division	Explanation
Search	You can check the data with designated period by user. (Please be informed that the designation of period is available by 365 days as maximum.)
Select Condition	You can see the data downloaded from BGM according to the conditions you want to check.(All, No choice, Before/After meal, After exercise, After taking drug, Control solution)
Double click of Data	You can remove the selected data.
Close	You can close the data list of window.

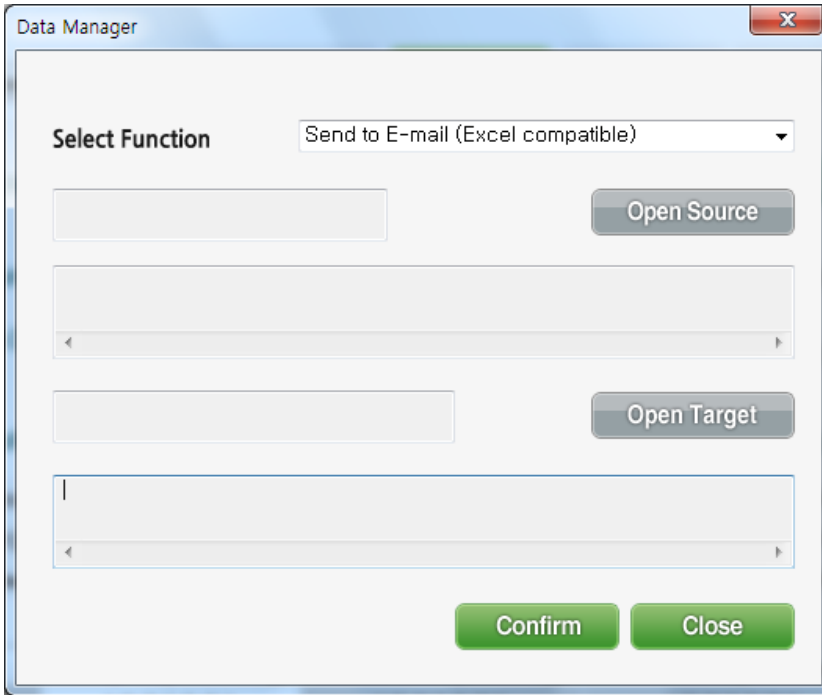
8.3 Review Data – Summary



- ▶ Please use it when you need summing-up blood glucose data from BGM with current ID.



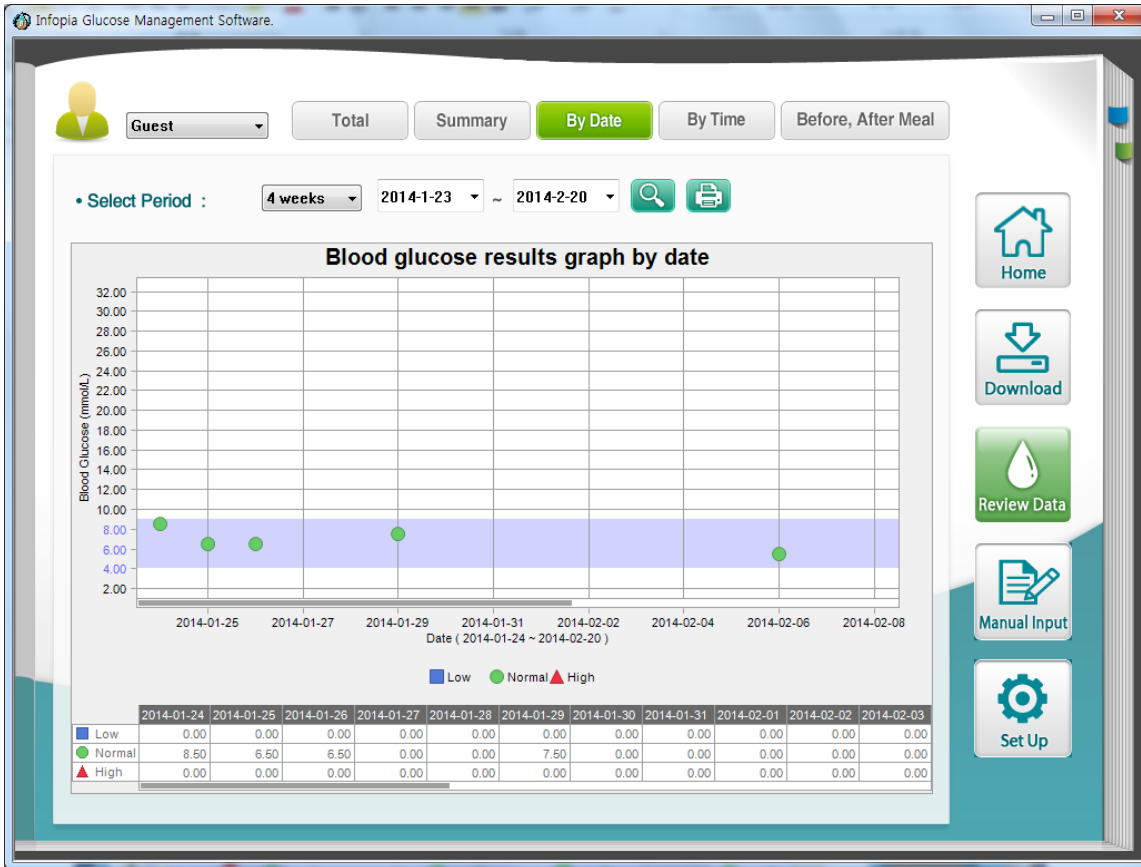
Division	Explanation
	It displays current user's ID. (ID can be changeable)
Select Period	You can set up the period of blood glucose data. (Please be informed that the period is set up based on present date.)
Search	You can check the data with designated period by user. (Please be informed that the designation of period is available by 365 days as maximum.)
Print	Please use it to print out data.
Manager	You can Export out the data with certain period of current ID.



8.4 Review Data – Graph by Date



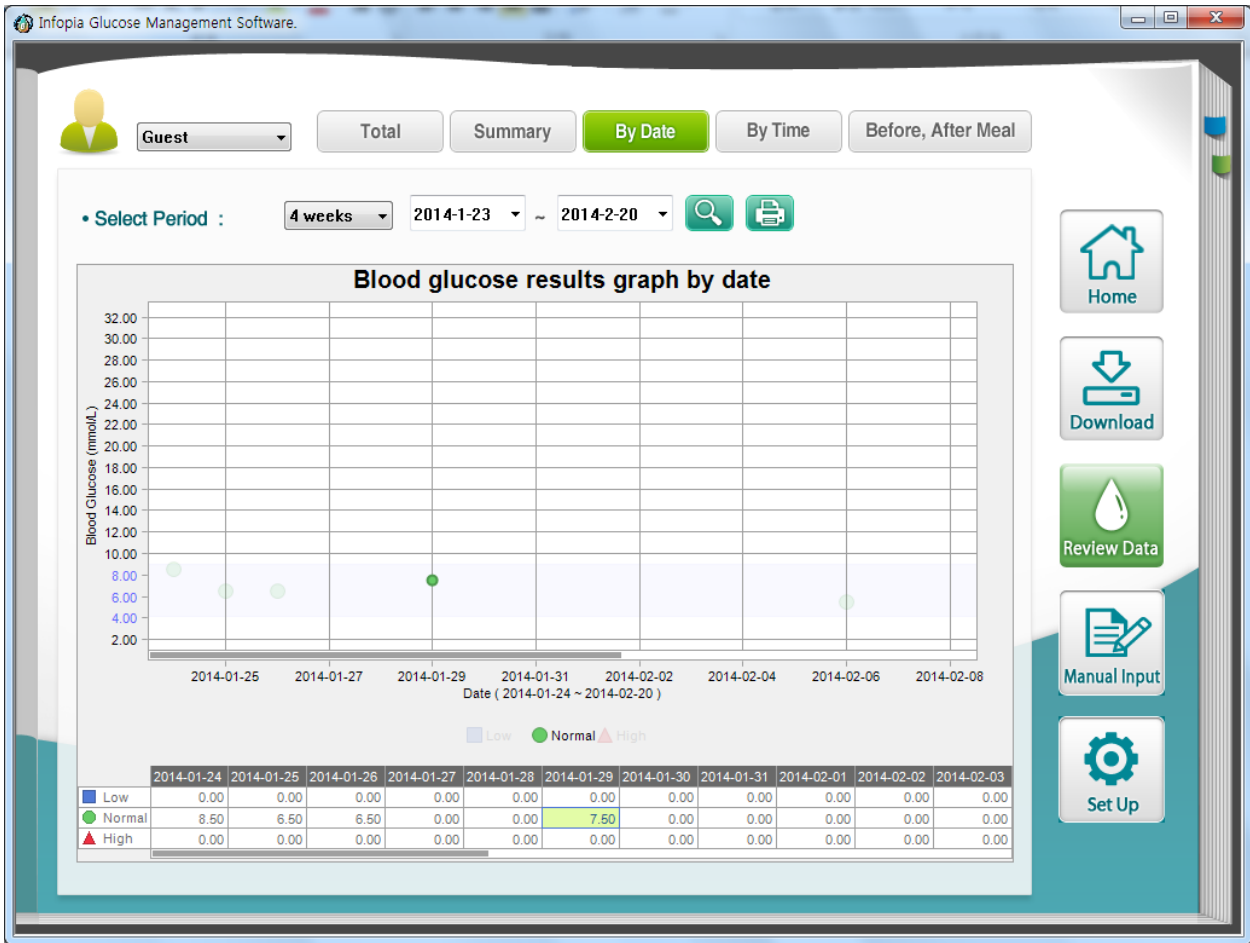
- ▶ Please use it when you need blood glucose data from BGM by date with current ID.



-You can check low, normal, high blood glucose graphs at a time.

-You can check individual data graph or selected data graph by your choice.

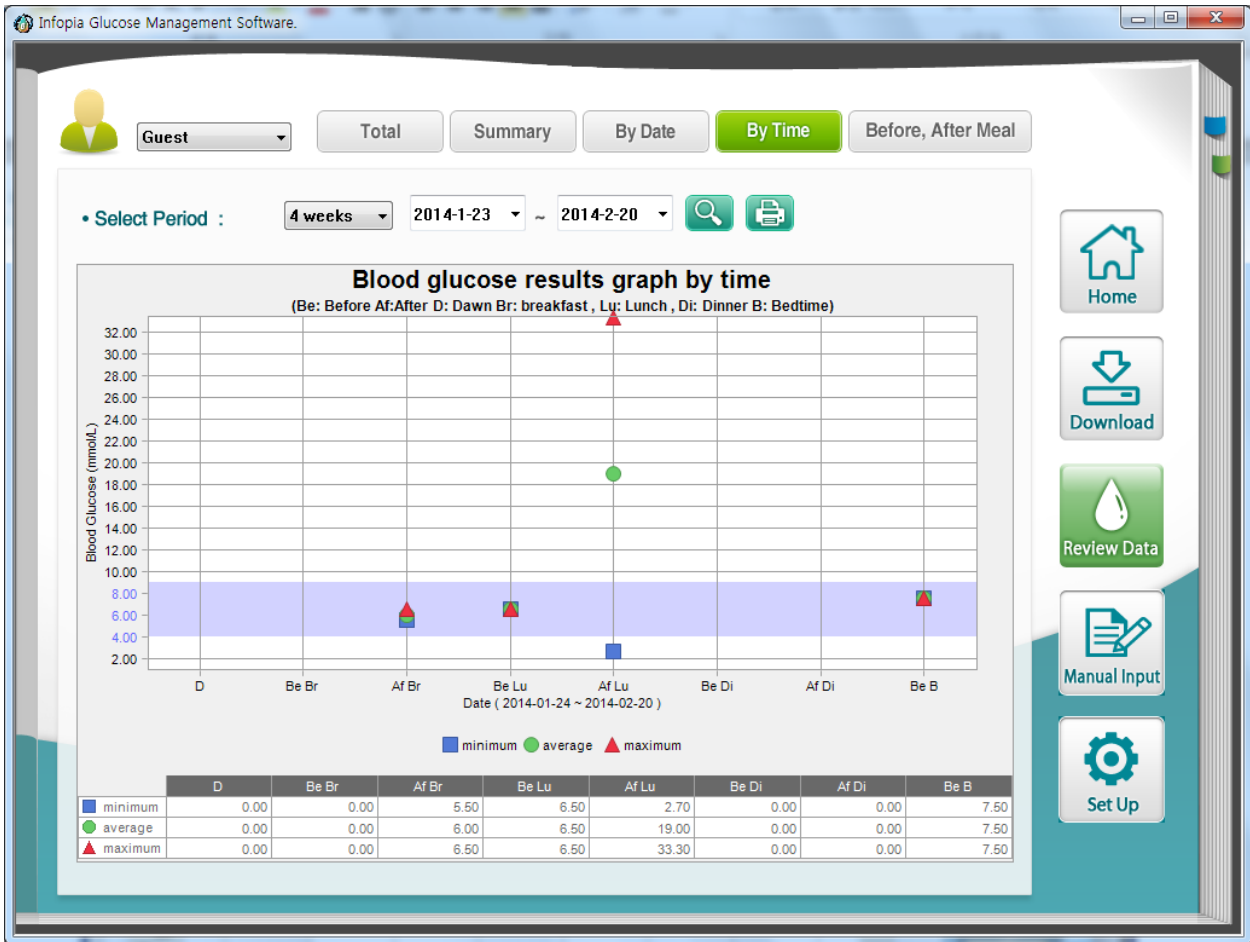
Division	Explanation
	It displays current user's ID. (ID can be changeable)
Choice of Inquiry period	You can set up the period of blood glucose data. (Please be informed that the period is set up based on present date.)
Inquiry	You can check the data with designated period by user. (Please be informed that the designation of period is available by 365 days as maximum.)
Print	Please use it to print out data.



8.5 Review Data – Graph by Time



► Please use it when you need blood glucose data from BGM by time with current ID.



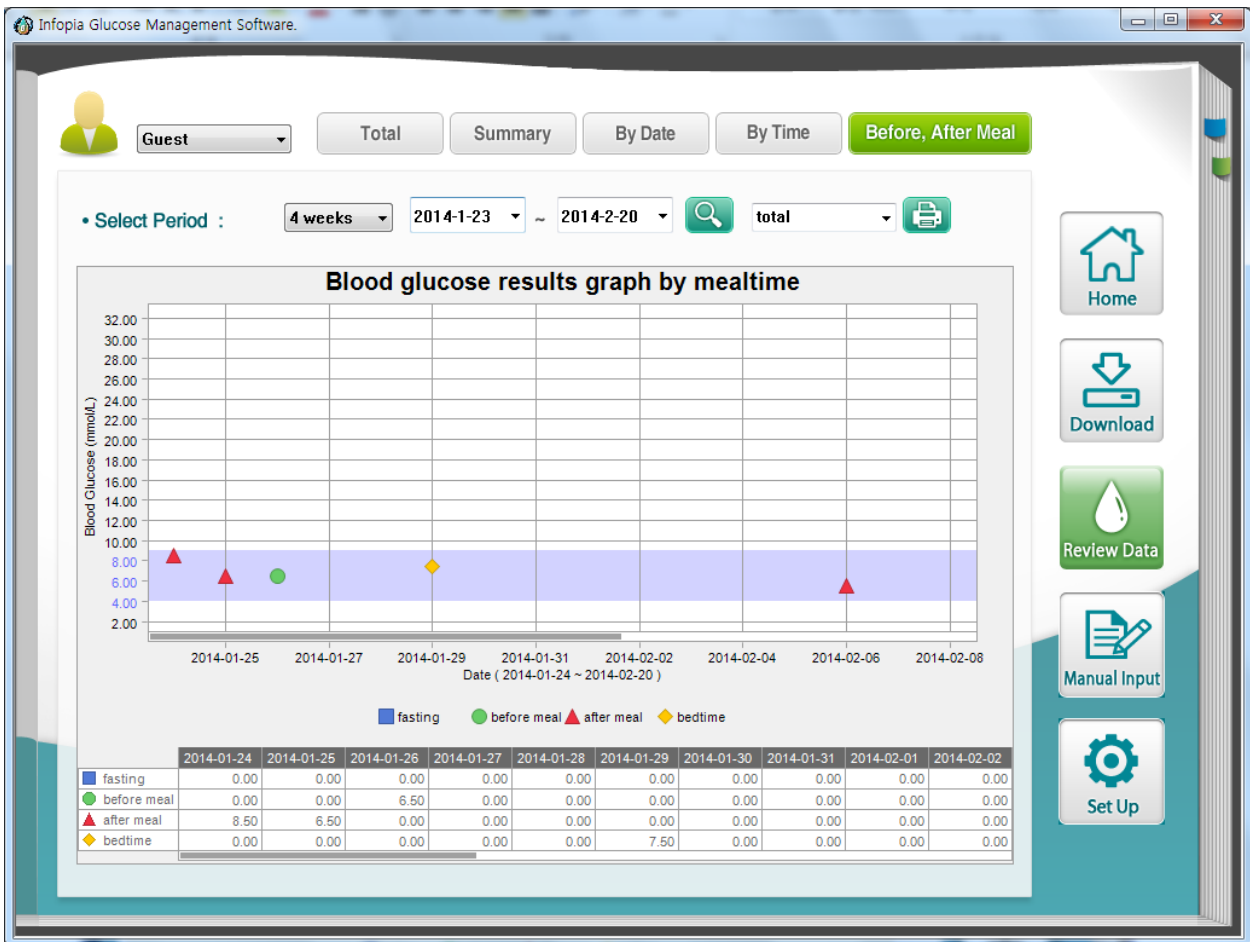
- You can check low, normal, high blood glucose graphs at a time.
- You can check individual data graph or selected data graph by your choice.

8.6 Review Data – Graph by Before/after meal



Before, After Meal

► Please use it when you need blood glucose data from BGM by before/after meal with current ID.



- You can check empty stomach, before meal, after meal and before sleep blood glucose graphs at a time.
- You can check individual data graph or selected data graph by your choice.

8.7 Manual input



► Please use it when you need to input blood glucose data from another BGM to our program with current ID.

User input values

Date **Blood Glucose** (mmol/L)

Time **Before, After Meal**

Division	Explanation
Date	You can enter the measuring date.
Blood glucose level	You can enter the measured blood glucose value.
Time	You can enter measuring time.
Before/after meal	You can enter set-up condition when measuring.
Addition	You can add new data.
Cancelation	You can cancel direct input.

8.8 Set-up

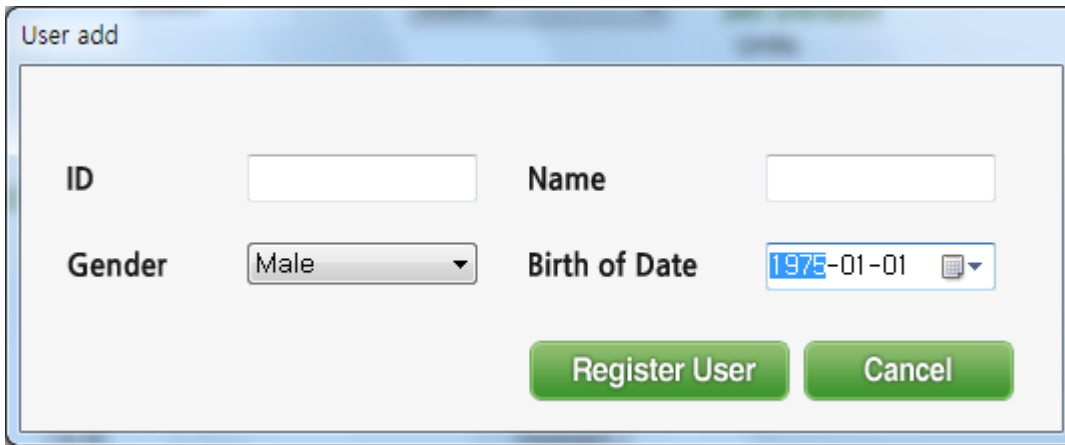


► You can set-up user information.

(You can add new user or remove existing user data.)

Division	Explanation
Name	You can enter user name. (ID is not changeable.)
Sex	You can enter user sex.
Birth date	You can enter user birth date.
Registering standard time	You can set-up user meal time.
Target blood glucose value	You can enter user target blood glucose value.
Registering user	You can add new ID.
Removing user	You can remove existing ID.
Saving information	You can save the revised information.

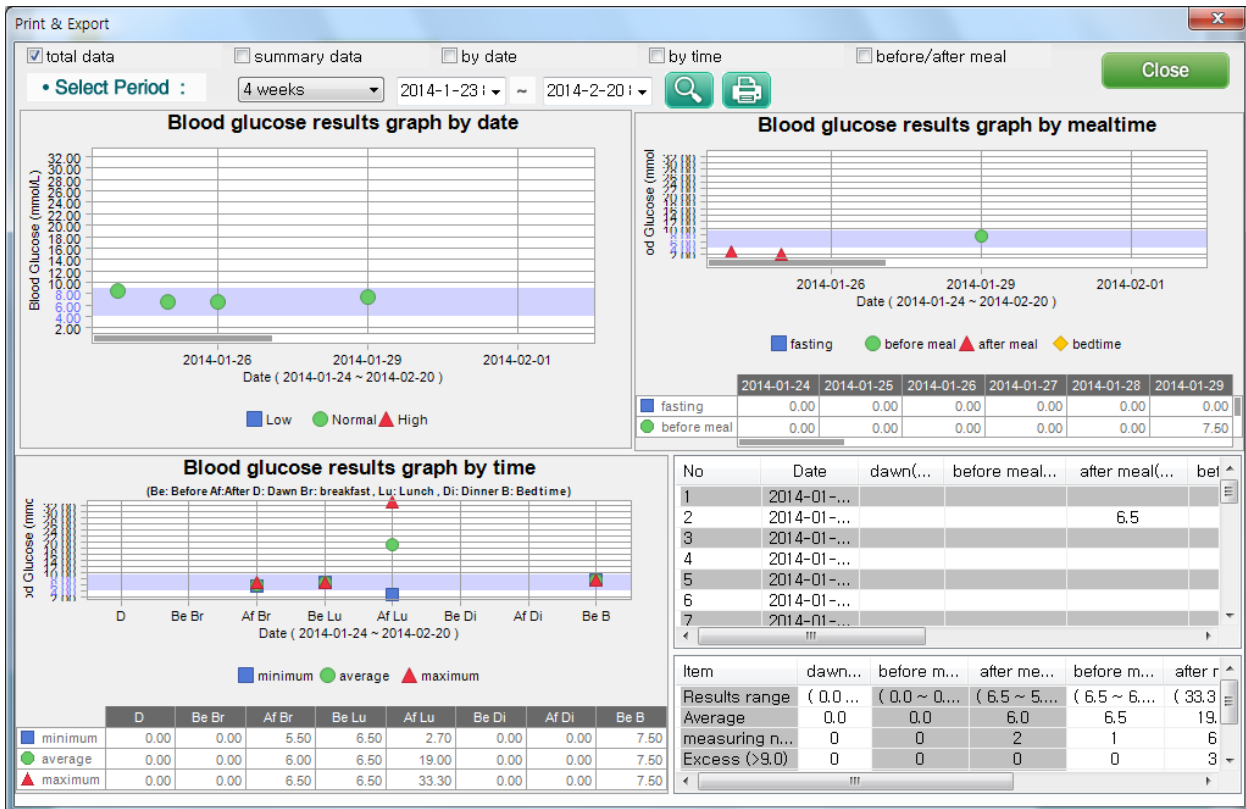
Exit	You can close the set-up screen of window.
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Division	Explanation
ID	You can enter new ID. (Please be informed that you can't revise the entered ID)
Sex	You can enter new user sex.
User name	You can enter new user name.
Birth date	You can enter new user birth date.
Registering ID	You can add the entered information as new user.
Cancelation	You can cancel new user registration.

8.9 Print

- ▶ You can print out the data with designated period.



8.10 Program information

- ▶ Program information will appear when clicking Infopia mark.

There are program releasing information, manual and homepage information.

