Product Manual

LMS (Lipid Management Software)

Analyzer
System

SD BIOSENSOR
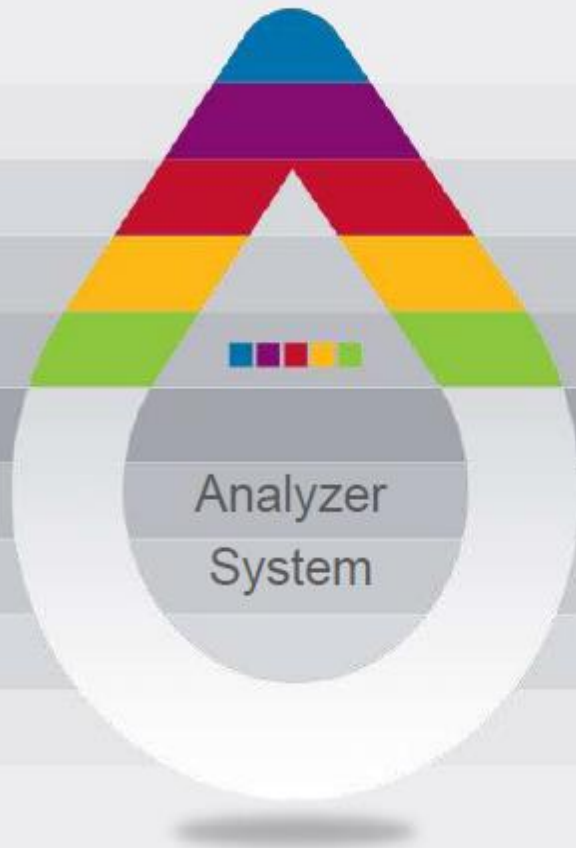
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CHAPTER 1. OVERVIEW

1. OVERVIEW

The SD LipidoCare Management Software is the software program used to transfer test results of both lipid and glucose from the measurement device to a PC.

Besides recording lipid and glucose test results, the SD Lipid Management Software can analyze the lipid and glucose results using various other software tools.

The information analyzed by the SD Lipid Management Software can assist the user or healthcare professional in effectively managing lipid and glucose results. The SD LipidoCare Management Software provides the following functions;

- Transfer lipid and glucose test results to a PC
- Electronic data can be used as a substitute for a log book
- Share user's results with a healthcare professional

The SD LipidoCare Management Software supports the SD LipidoCare Professional and Home Systems manufactured by SD BIOSENSOR INC.

Device Name	Cat. No.	Communication method
SD LipidoCare Professional Analyzer	02LA10G	Cable communication
SD LipidoCare Home Analyzer	02LA10GS	
SD LipidoCare Professional Analyzer	02LA20G	Cable communication and Bluetooth
SD LipidoCare Home Analyzer	02LA20GS	

2. PRECAUTION

- The SD LipidoCare Management Software is for managing your results only. If you are a home user, do not change treatments of your disease without consulting your healthcare professional. The SD LipidoCare Management Software should not be used for therapeutic and diagnostic purpose.
- Do not measure lipid or glucose while the device is connected to a PC. If you do a test whilst it is connected, there may be the risk of electrical shock.

3. REQUIREMENTS

The following are necessary components to run SD LipidoCare Management Program.

1. PC with at least 800MHz CPU (MAC not supported)
    - More than 512MB of memory
    - More than 50MB of HDD to run program
    - Microsoft Windows XP, Vista or Windows 7: 32 bit operation system only
    - 1024 x 768 or higher resolution
    - Keyboard and mouse
    - Additional requirements
2. Mini USB cable (if your analyzer does not have the Bluetooth connectivity function).
3. Printer connected to Windows (when printing result report is required)

*The cable required is a standard universal A-Male to Mini-B USB cable.

# CHAPTER 2. INSTALLING THE SOFTWARE

1.   Download the software from:

https://sdapp.s3-ap-northeast-1.amazonaws.com/Setup.Standard+LMS(v3.0.2).exe

Once it has downloaded, find and run the program.

2. The "License Agreement" will appear on the screen. Read carefully and click "I accept the agreement" button if you accept the agreement and then click "Next". If you wish to terminate the installation, click "Cancel".
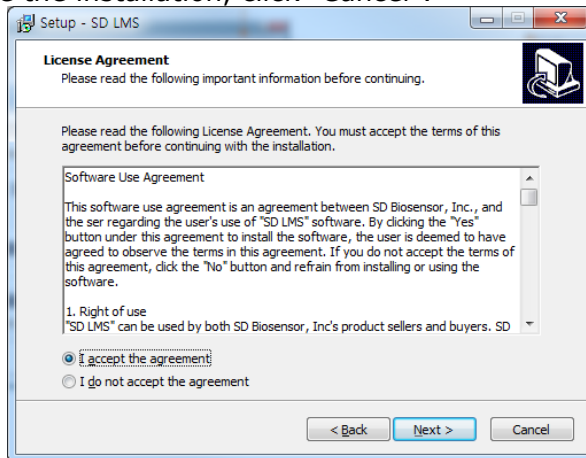
3. The "Select components" window will appear on the screen. Select the options you want to install. Click the "Next" button to continue install. Otherwise click the "Cancel" button to terminate the install.
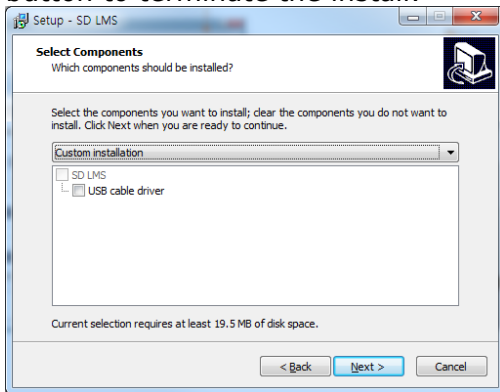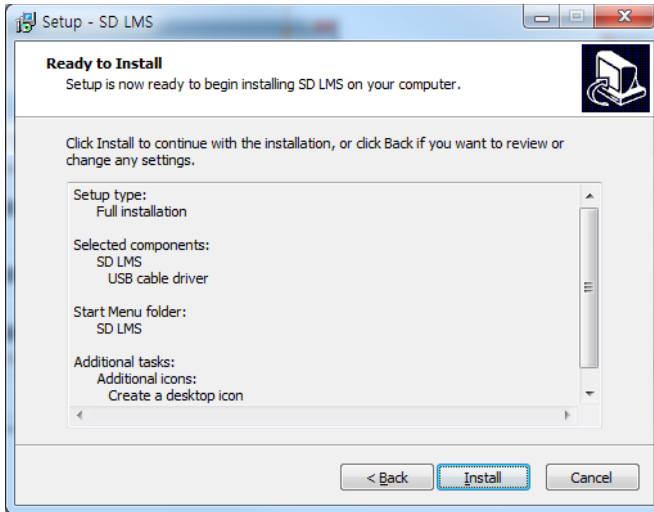

The install program will run according to the components you wish to install.
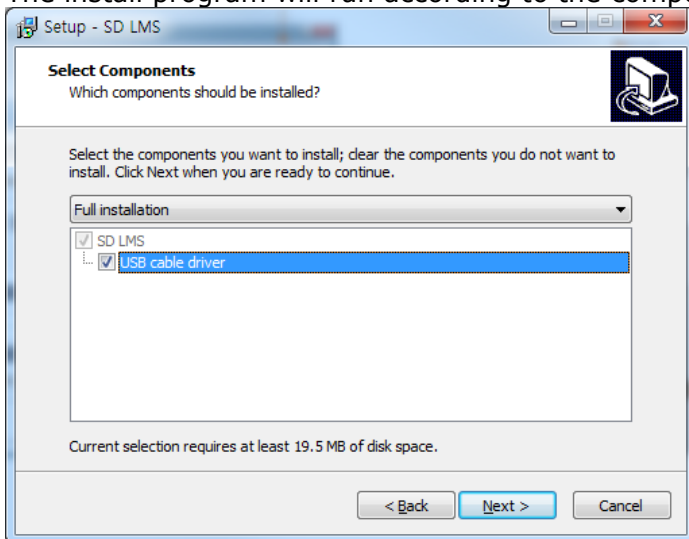
[NOTE]
Required components will be selected automatically and the installment process may differ based on the components you wish to install.
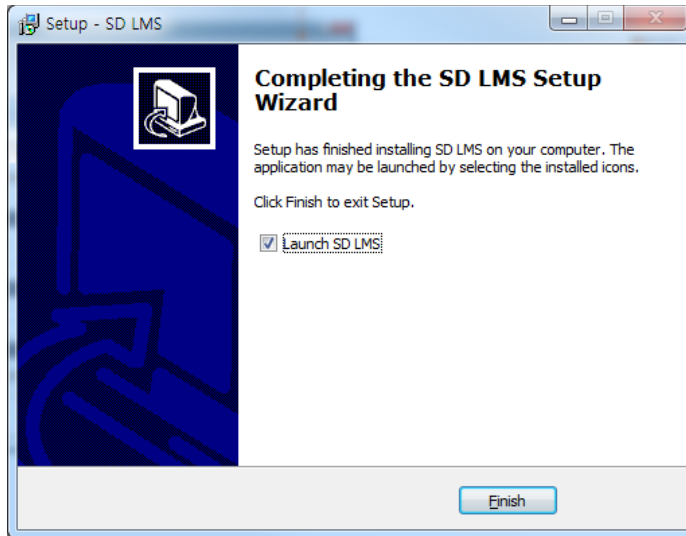
4.   The "Ready to Install" window will appear on the screen. Click the "Install" button to install the software.

5.   The "Installing" window will appear on the screen. Please wait while the SD LMS is installed.
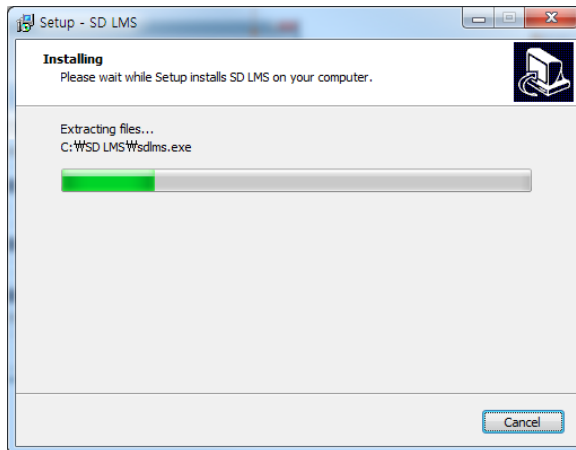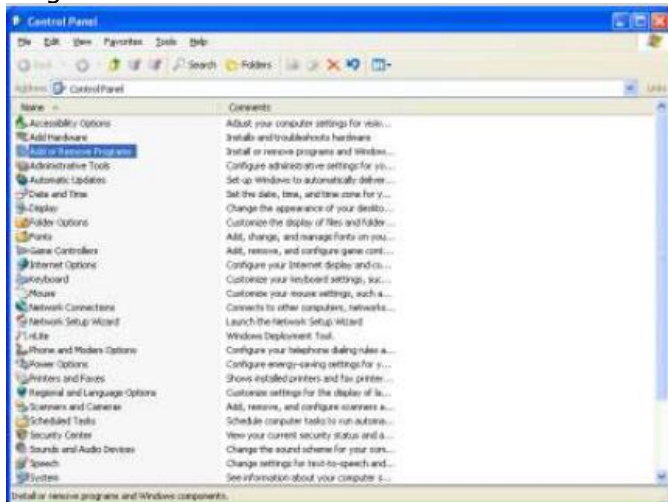
6. The SD LMS has been installed. Check the "Launch SD LMS" and click "Finish" if you wish to run SD LMS.

CHAPTER 3. REMOVING THE SOFTWARE

1. Select "Control Panel" in the Windows Start menu. Double click "Add/Remove Programs".

2. "Add/Remove Programs" window will appear. Select "Standard LMS" and click the "Change/Remove" button to remove the software.

[NOTE]
All data containing lipid and glucose measurements stored in the PC will be deleted permanently if you remove the SD LipidoCare Management Program from your PC.

3. The "Standard LMS Uninstall" window will pop up. Click the "OK" button if you really wish to remove the "SD LMS".

SD LMS Uninstall

? Are you sure to remove SD LMS ?

Yes   No

4. The "Standard LMS Uninstall" window will appear on the screen. Click "OK".

SD LMS Uninstall

i Removing of SD LMS is compleated.

OK

CHAPTER 4. CONNECTING WITH A PC

You have to connect the analyzer as shown below with a PC before you download the stored results to a PC.

1. Insert the USB cable into the port of the analyzer.
2. Connect the USB cable to the USB port of a PC with the analyzer turned off.
3. Run SD LipidoCare Management Program (explained on next page).

CHAPTER 5. USING THE SOFTWARE

Starting the software

Double click the icon on the desktop of your PC to run the software. The main menu screen will appear on the screen.

Main menu / Functions of each button

| BUTTON	DESCRIPTION
1. Data View	Register a new user or manage previous user information. Also view glucose measurements through this menu. (See chapter 6 "Data View")
2. Setting	Configure settings for the system, screen, printing, language etc. (See chapter 7 "Settings")
3. Exit	Click this button to close the program.

How to download data

After following the instructions in Chapter 4 for how to connect, if the LMS recognizes new equipment, the following image is generated for about 2 seconds, indicating that LipidoCare is connected.

<Connected on COM10>
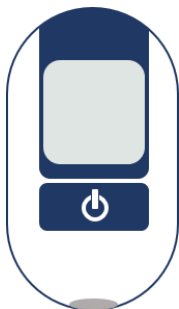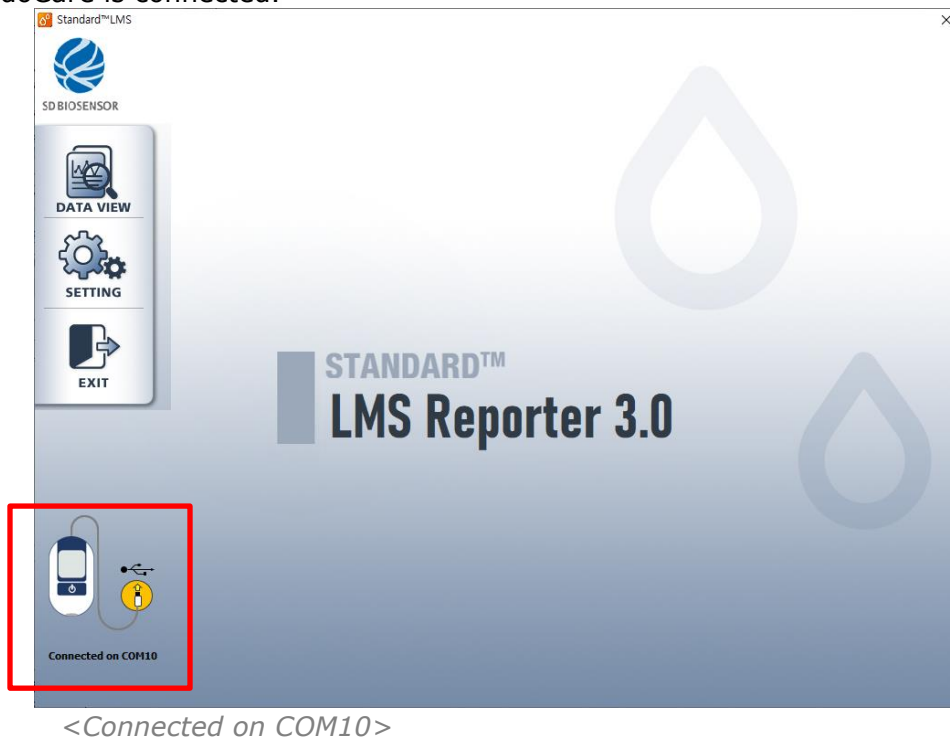
Once you have confirmed that LipidoCare is connected, press the power button ( ) with LipidoCare off to start sending data to your PC.
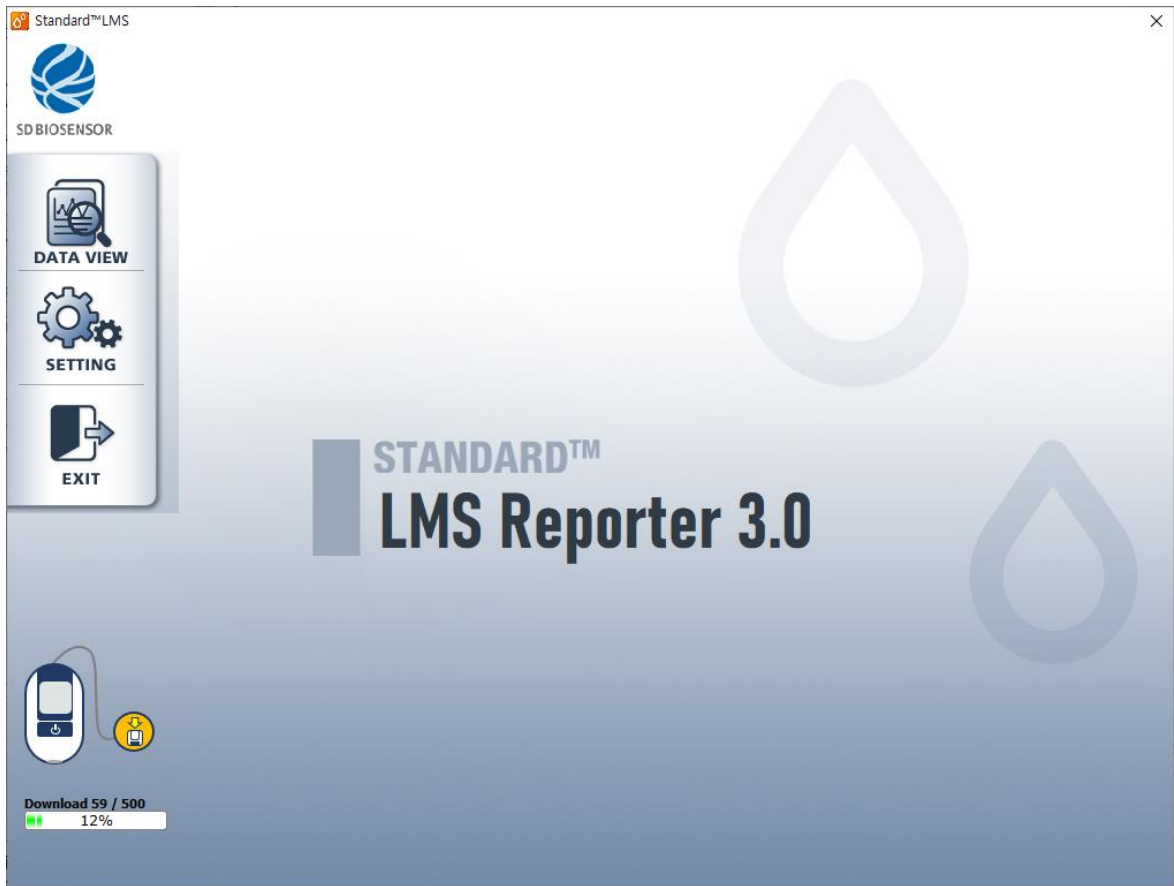
Once the data download has started, the status image at the bottom left shows the progress of the download.
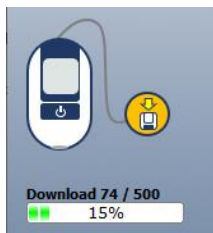
Standard™LMS ✕

SD BIOSENSOR

DATA VIEW

SETTING

EXIT

Measured data

	Patient Name	TC	TG	HDL	LDL	nonHDL	LDL/HDL	Glu	CS	Date	BpSys	BpDia
5310	testtry1	240	401	127	33	113	0	0		2015-01-16 15:45	123	77
5309		227	448	128	10	99	0	0		2015-01-16 15:49	0	0
5308		0	0	0	0	0		223		2015-10-23 14:07	0	0
5307		0	0	0	0	0		214		2015-10-23 14:07	0	0
5306		0	0	0	0	0		204		2015-10-23 14:09	0	0
5305		0	0	0	0	0		205		2015-10-23 14:09	0	0
5304		0	0	0	0	0		231		2015-10-23 14:11	0	0
5303		0	0	0	0	0		231		2015-10-23 14:11	0	0
5302		0	0	0	0	0		66		2015-10-23 14:11	0	0
5301		0	0	0	0	0		209		2015-10-23 14:19	0	0
5300		0	0	0	0	0		217		2015-10-23 14:2	0	0
5299		0	0	0	0	0		217		2015-10-23 14:24	0	0
5298		0	0	0	0	0		219		2015-10-23 14:26	0	0
5297		0	0	0	0	0		216		2015-10-23 14:26	0	0
5296		0	0	0	0	0		66		2015-10-23 14:27	0	0
5295		0	0	0	0	0		67		2015-10-23 14:28	0	0
5294		0	0	0	0	0		72		2015-10-23 14:28	0	0
5293		0	0	0	0	0		84		2015-10-23 14:29	0	0
5292		0	0	0	0	0		73		2015-10-23 14:3	0	0

Once the download is complete, the image in the lower left corner disappears and automatically enters the Data View screen.

※ The data being downloaded has unique values for the device number and measurement date, so the same data does not overlap.

CHAPTER 6. DATA VIEW

Load Data
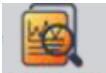
Click the icon in the main menu to view the results.

From the results list (as pictured above), double-click the measurement data you want to check and you will enter the individual management screen.

A	B
User's personal information	User's measurements and results

BUTTON	DESCRIPTION
1. Go to List	Return to the List
2. Preview	Preview report on the test results for users
3. Save	Save Measurement Data & Patient Info

SAVE Data

The operator can enter user information in the selected measurement results.
After entering it, press the Save button to save the results, and you can check that the patient information is contained in the measurement results in the List.

<Click *the button to Save Result>*

※ You can select an existing registered user via the left button of the user input box.

※ You can turn off the selected user via the right x button of the user input box.

※The date of birth changes automatically when you enter an age.

Print

Click the ⌕ button to view the report of results

The operator can adjust the preview screen size through preview setting, press the Print button to print the report, or press the PDF button to save the results as a PDF file.

CATEGORY	DESCRIPTION
User information	Provides user information including name, gender and age.
Details	Blood test results are categorized into 'Desirable, Borderline and High' and displayed in colour bar graphs, to provide useful information on your health and diet.
Analysis Results	Provides the age of user's heart and incidence rate within the next 10 years
Tips	Provides tips to improve heart health.
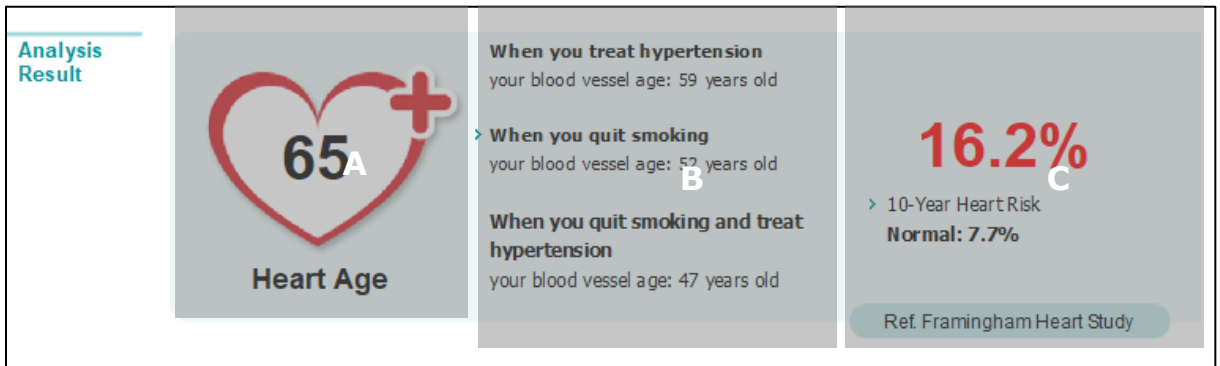
NUMBER	DESCRIPTION
A	It shows user's current cardiovascular age based on Framingham Heart Study.
B	LMS Report provides some brief tips to reduce user's blood vessel age.
C	It shows user's heart disease incidence rate within the next 10 years.

※ The heart age information will only be displayed if you enter your age and blood pressure.

※ **Framingham Heart Study**
Since 1948, the Framingham Heart Study, under the direction of the National Heart, Lung and Blood Institute (NHLBI), formerly known as the National Heart Institute, has been committed to identifying the common factors or characteristics that contribute to cardiovascular disease (CVD). It has followed CVD development over a long period of time in three generations of participants.
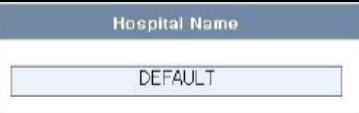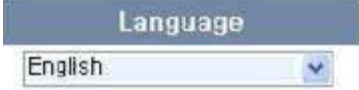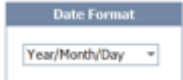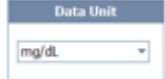
CHAPTER 7. SETTINGS
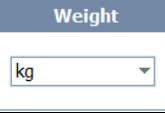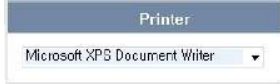
Click the ⚙ icon in the main menu to enter the Setting menu.
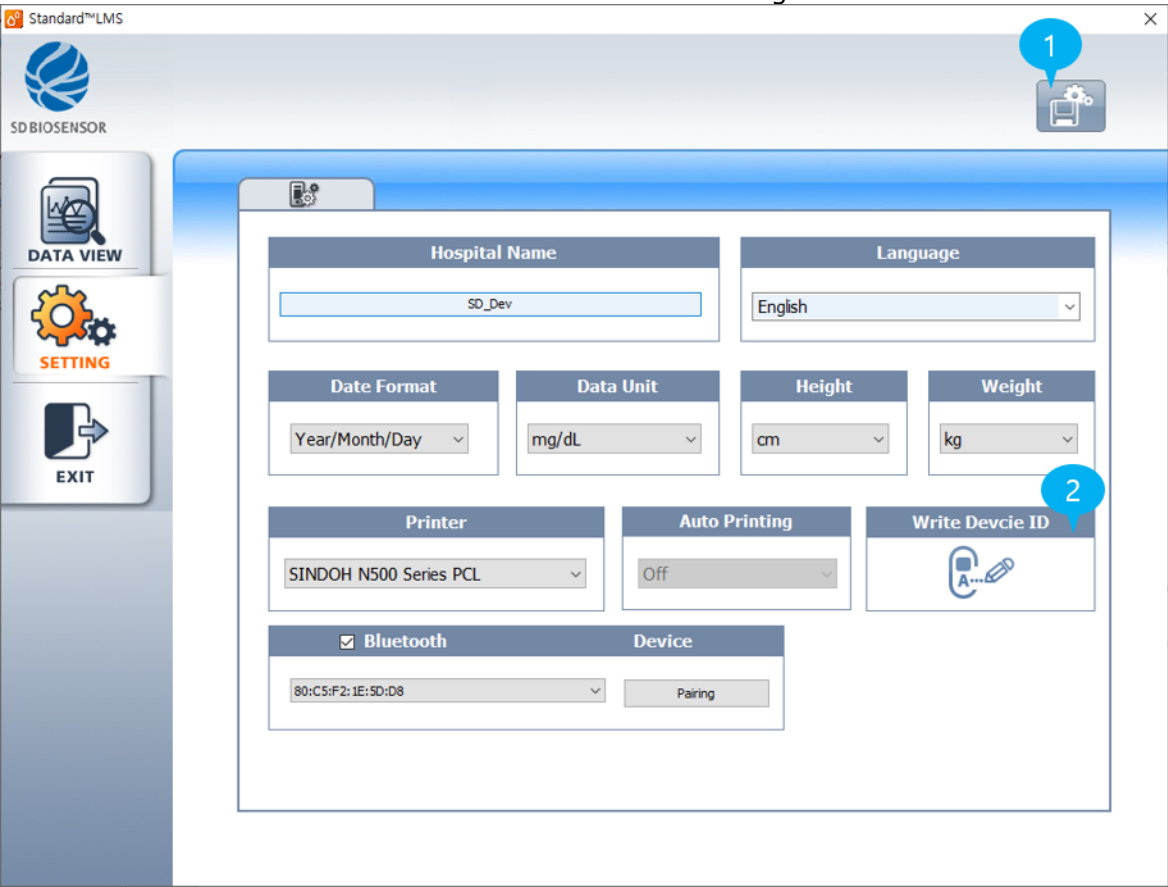
CATEGORY	DESCRIPTION
1	Save user's settings.
2	Change measurement device's hospital code and ID code. ※This feature is disabled in the consumer program

You can set the date, time and the unit of results for the SD LipidoCare Professional and Home system in the setting screen.

CATEGORY	DESCRIPTION	SCREEN SHOT
Hospital name	Input the name of the hospital	**Hospital Name** DEFAULT
Language	Click the icon and select your language from the list	**Language** English
Date format	Select the data format	**Date Format** Year/Month/Day
Data unit	Select either mg/dL or mmol/L as the basic unit	**Data Unit** mg/dL
Height format	Select either "cm" or "feet-inch".	**Height** cm
Weight format	Select either "kg" or "lb".	**Weight** kg
Auto printing	Select either "On" or "Off". ※This feature is disabled in the consumer program	**Auto Printing** On
Basic unit	Select either mg/dL or mmol/L as the basic unit	**Default Unit** ⊙ mg/dL ○ mmol/L
Printer	Click the icon and select your printer from the list. ※In the consumer program, the report will print from your computer's default printer.	**Printer** Microsoft XPS Document Writer
Write Device·ID	You can set the ID code to Device. ※This feature is disabled in the consumer program	**Write Device ID**
Save user settings	Save the current settings.	

[NOTE]
If auto-printing is set to "On", then the data will automatically print when the analyzer is connected and you press the power button.

$$C\hspace{-0.2em}\epsilon$$

Manufactured by

⦾ SD BIOSENSOR

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