





User's Manual

V 2.4

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SmartLog User's Manual

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## 1. Before You Start

### Welcome

Welcome to SmartLog Diabetes Management Software. SmartLog is a measured glucose data management program for user to easily and conveniently manage their blood glucose level. By downloading the data from blood glucose meter developed by i-SENS, SmartLog expresses your blood glucose level trend in statistical values and graph. SmartLog helps you to manage your blood glucose level easily by recording and managing their diet, exercise, relaxation and insulin injection.

### About SmartLog

SmartLog is a blood glucose management software for the user to easily observe individual blood glucose values by using various graphs and statistical data.

### 1.1 User's Manual Introduction

This manual is published to provide easy solution to the user's curiosity while using the program. This program is a software for the diabetics to download the data to the SmartLog blood glucose management program. In order to download the data, i-SENS blood glucose meter and data cable is needed.(refer to 3.4.1 Download Data). To know how to use the blood glucose meter, refer to each meter's user manual. The purpose of this program is to help the user to observe and analysis the blood glucose values and health related data by providing the graphs and other software tool to the diabetics.

### 1.2 View User's Manual Guide

This User's Manual is written in PDF files. To view the file in PDF format or print out the file, over Adobe® Acrobat® Reader 6.0 version is needed which is a free application program distributed by Adobe Systems. For the user convenience, it is available to print out the whole user's manual or user-selected item.





#### 1.3 System Requirements

- CPU: 500 MHz Intel Pentium III or higher
- RAM: 512 MB or higher
- Minimum free hard disk space: 200 MB
- Windows<sup>®</sup> XP Home, Professional (SP2 or above), Windows<sup>®</sup> Vista (32bit/64-bit), Windows<sup>®</sup> 7 (32-bit/64-bit) or Windows<sup>®</sup> 8 (32-bit/64-bit)
- Mac OS 10.8 or later
- USB port
- SmartLog USB cable
- Video monitor and adapter with at least 1024x768 pixel screen resolution
- Printer to print report
- Internet connection for emailing, synchronization services



In this manual, "PC" stands for a computer operates on Microsoft Windows OS. "Mac" stands for a computer operates on Mac OS.

#### Description of Symbol

CE	This product fulfills the requirements for Directive 98/79/EC/ on <i>in vitro</i> diagnostic medical devices.
Ĩ	Consult instruction for use
<b></b>	Manufacturer
EC REP	Authorized representative





#### Symbols used in the manual

	Important Information Indicates that there is a possibility of death, injury or a serious adverse event may occur to the user if the instructions provided are not followed with proper medical guidance of a physician.
!	What you need to know Indicates that there is a possibility of injury to the user or damage to the device if the instructions provided are not followed without proper medical guidance.
	<b>Note</b> Indicates additional or background information that may be helpful to the user.



## Important Information

Do not decide on your treatment method using the data provided by SmartLog alone. Any course of medical treatment should be pursued only after a diagnosis by a healthcare provider. Before a treatment method is selected, both the user and their healthcare provider should understand how the statistical data is made by SmartLog.



#### What you need to know

This SmartLog software saves health-related data on your computer. It is recommended to ensure that you have up-to-date security software on your computer.





## 2. Program Install & Uninstall

#### 2.1 Install SmartLog

2.1.1 PC(Windows) Version



Double click the setup file (Install\_SmartLog\_2.x.x.exe) and proceed to the installation page.



Click "Next" on the installation page to proceed.

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Choose the appropriate folder to install SmartLog and press "Next."

🕞 SmartLog2	_ <b>_</b> X
Choose Start Menu Folder Choose a Start Menu folder for the SmartLog2 shortcuts.	
Select the Start Menu folder in which you would like to create the program's sl can also enter a name to create a new folder.	hortcuts. You
SmartLog2 7-Zip Accessories Administrative Tools Beyond Compare 3 Chrome Chrome 앱 Daum DB Browser for SQLite FileZilla FTP Client Games Git	T
Do not create shortcuts SmartLog2	Cancel

Choose or enter the name of the folder that will appear on the Start menu. Then click "Install" to start installation (File shortcut is not created when "Do not create shortcuts" box at the bottom of the page is checked.)



# **SMARTLOG**®

6	SmartLog2	- 🗆 X					
Installing Please wait while SmartLog2 is being installed.							
Output folder: C: \Program Files (x86) \SmartLog2							
Show details							
	Install FTDI USB Serial Driver?						
	Yes <u>N</u> o						
SmartLog2	< Back Next >	Cancel					

Click "Yes" to install FTDI USB Serial Drivers.

Click "Extract" on the FTDI Drivers installation page.





🧶 FTDI CDM dri	ivers			-	X	
Extracting Files FreeExtractor is	s extracting the compressed fi	files in this archive	2.		*	
Please wait whil	le the files in this archive are e	extracted.				
Extracting dpins	st-x86.exe					
FreeExtractor —						
			< Back	Extract	Cancel	

The screen above appears and FTDI Drivers installation is proceeded.

Device Driver Installation Wizard			
	Welcome to the Device Driver Installation Wizard! This wizard helps you install the software drivers that some computers devices need in order to work.		
	< Back Next > Cancel		

Click "Next" to proceed.





Device Driver Installation Wizard				
	Completing the Device Driver Installation Wizard			
	The drivers were successfully installed on this computer.			
	You can now connect your device to this computer. If your device came with instructions, please read them first.			
	Driver Name     Status       ✓ FTDI CDM Driver Packa     Ready to use       ✓ FTDI CDM Driver Packa     Ready to use			
	< Back Finish Cancel			

After FTDI Drivers installation is finished, click 'Finish" to complete the installation.

G SmartLog2	
Installing Please wait while SmartLog2 is being installed.	
Extract: Qt5Multimedia.dll 100%	
Show <u>d</u> etails	
SmartLog2	Next > Cancel

The installation page as above appears and SmartLog installation will start.







Click "Finish" to complete SmartLog installation.



Note

When SmartLog cable is initially connected to the USB port of the user's PC after installing the driver, the message shown below will appear in the bottom right corner of the screen.



Please wait until this message appears to connect to SmartLog properly. When the installation is completed, the message will display as below.



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$\bigcirc$	Note
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When SmartLog is completely installed on Windows® XP, the following pop-up window will run. Uncheck the current user's "Protect my computer and data from unauthorized program activity" and click "OK" to proceed to SmartLog driver installation.

Run As	$\mathbf{X}$	
- 10 -	unt do you want to use to run this program? 5E9252E57₩Administrator)	
Protect my comput	er and data from unauthorized program activity	
This option can prevent computer viruses from harming your computer or personal data, but selecting it might cause the program to function improperly.		
◯ The following user:		
User name:	🔮 Administrator 🛛 💽	
Password:		
	OK Cancel	

 $^{\ast}$  Pop-up window will run twice. Uncheck and click "OK" twice to install the driver.





#### 2.1.2 Mac Version

Double click the Install\_Smartlog\_2.x.x.pkg file and the screen will appear as below.

• • •	Install Install_SmartLog_2.2.0	
	Welcome to the Install_SmartLog_2.2.0 Installer	
<ul> <li>Introduction</li> <li>Destination Select</li> <li>Installation Type</li> <li>Installation</li> <li>Summary</li> </ul>	You will be guided through the steps necessary to install this software.	
	Go Back Continue	

Click "Continue."

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Change install location or click "Install."

Introduction Destinatic Installatic	Installing Install_SmartLog_2.2.0
Summary	Installer is trying to install new software. Type your password to allow this. Username: admin Password: Cancel Install Software
	Go Back Continu

Enter the password and click "Install Software" to start installation.

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The installation page as above appears and SmartLog will be installed.



The installation of SmartLog on Mac is completed.





### 2.2 Uninstall SmartLog

2.2.1 PC(Windows)

To uninstall SmartLog, run Control Panel and Add/Remove Program. From the program list, double click on "SmartLog2" and run the uninstall file.

🗑 SmartLog2 Uninstall	
	Welcome to the SmartLog2 Uninstall Wizard
	This wizard will guide you through the uninstallation of SmartLog2.
	Before starting the uninstallation, make sure SmartLog2 is not running.
	Click Next to continue.
	Next > Cancel

On the uninstall screen, click "Next" button to continue.

🎯 SmartLog2 Uninst				
Uninstall SmartLog Remove SmartLog2	g2 from your computer.			
SmartLog2 will be un uninstallation.	ninstalled from the following folder. Click Uninstall to start the			
Uninstalling from:	C:₩SmartLog2₩			
SmartLog2 ————	< <u>B</u> ack Uninstall Cancel			
fter confirm ninstallation.	ning uninstallation path, click "Uninstall" button	to	start	the

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🞯 SmartLog2 Uninsta	I	
Uninstalling Please wait while Sma	artLog2 is being uninstalled.	0
Remove folder: C:₩S		
	SmartLog2 Uninstall           Delete Database File?	
	예(Y) 아니요(N)	
SmartLog2	< Back Next >	Cancel

To delete database file of the program together, click "Yes" button to proceed. If you click "No" button, the database file will not be deleted.



If you want to restore your database file, you can restore it from the Recycle Bin.







On the uninstall complete screen, click "Finish" button to end the process.



The methods to run Control Panel, and Add/Remove program are different depending on the Windows version. Please refer to the method of the appropriate Windows version in use.

2.2.1 Mac

To uninstall SmartLog, remove SmartLog in the Application folder by clicking the right mouse button and select "Move to Trash."





## 3. SmartLog User's Manual

#### 3.1 Run SmartLog

Double click the SmartLog shortcut icon from the screen.



To run SmartLog on Mac, double click the SmartLog icon on the Application Programs menu.



When SmartLog is run for the first time, User addition page as below will appear. (Refer to '3.2 User' on adding user.)

SmartLog2			
SMAR Diabetes Manag	RTLOG	7	<b>▼</b> Q
Home	User Profile	Health Management	Test Schedule
R	Basic Informa	ation	
User	*Name	Add user account	Track Health Information
A <b>llı.</b> Report	Date of Birth	1/01/1900	
Download /	Gender	Male Female	Meter Serial Number
Data B_n_	Email		
Manual Entry	Medical Inform	nation	
CA	Name of Doctor		
Server Sync	Email		
5	Name of Hospital		
*	Insurance Number		

\* When there is no user, A, B, C, D and E buttons are disabled and F Combo Box will appear empty.

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When there is a user, SmartLog will show the page as below.

Displayed Item	Description
A. Home	Use the Home menu to move to the home screen.
B. User	Use the User menu to register a new user or manage an existing user's information.
C. Report	Use the Report menu to view, print, and share various reports.
D. Download / Data	Use the Download / Data menu to download data from blood glucose meter, make reports from the data saved in SmartLog in pdf, jpg, xls, csv formats, and browse xls, csv files to save the data in SmartLog. (pdf and jpg files are not browsed.)
E. Manual Entry	Use the Manual Entry menu to input data manually.





F. Server Sync	Use the Server Sync menu to send the data to the server or receive the data from the server and save it.
G. Settings	Use Settings menu to change the setting value of the program.
H. Average 14- Day	Use the Average 14-Day menu to show an average value of the previous 14 days.
I. Version Information	Use the Version Information menu to check the current and the latest versions of SmartLog. Click Download icon on the right to download the latest version. Version 2.4.0 Latest version 2.4.1
J. SmartLog Information Screen	Use the SmartLog Information Screen menu to go to what's new and check the user manual, installation file and related website information. Information on the current version can be checked when it is not the latest version.
K. Version Update	The latest version will be displayed only when the latest version is different from the current version.
L. Refresh	Use the Refresh menu to renew the users list.
M. Users List	Use the User List menu to show list of users with name, gender, date of birth and to choose another user by clicking on the down arrow next to the user information.
N. User Search	Use the User Search menu to search registered users.
O. Minimize	Use the Minimize menu to minimize the program screen.
P. Maximize	Use the Maximize menu to maximize the program screen.
Q. Exit	Use the Exit menu to exit the program.





#### 3.2 User

User menu has total of 4 options including User Profile, Health Management, Test Schedule and Account Settings.

#### 3.2.1 User Profile

In the User menu, User Profile is initially selected and the screen shown below will appear.

SmartLog2	and the second sec		
SMAP Diabetes Mana	RTLOG	ns   4/05/2000	▼ Q
Home	User Profile	Health Management	Test Schedule
2	A Basic Informa	ation E	
User	*Name	i-Sens	Track Health Information
di.		(i-Sens	
Report	Date of Birth	4/05/2000	
Download /	Gender	Male Female	Meter Serial Number
Data	Email		
			→ A6A115C03002
Manual Entry	B Medical Inform	hation	- A1A035B00024
(F)	Name of Doctor		- B3A000A00001
Server Sync	Email		─ C0A000C00045
	Name of Hospital		
\$	Insurance Number		

User information can be entered or modified to register a user.

Name is mandatory. If you do not enter one of the above, you cannot register.

There are two ways to register a user; registering after receiving data from a new glucose meter, and registering manually by clicking "Add User Account" on the User Profile menu.

	Displayed Item	Description
Α.	Basic Information	Basic information of the user. Name is mandatory.
		Enter or edit the name, date of birth, gender, or email.
		Click E button to modify.
В.	Medical	Enter or modify Name of Doctor, Email, Name of
	Information	Hospital and NHI number.

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C. Track Health Information	Record, modify, and save physical examination results by date. Click "Track Health Information" button to record the results.
D. Meter Serial	Manage the serial number of the meter.
Number	Click the Minus icon to delete the registered serial number.
	Meter Serial Number
E. Mondotomy	<ul> <li>A6A115C03002</li> <li>A1A035B00024</li> <li>B3A000A00001</li> <li>C0A000C00045</li> </ul>
E. Mandatory Information Modification Button	Modify mandatory information.
F. Save Button	Save entered or modified data.
	Active only when edited.
G. Cancel Button	Cancel entered or modified data.
	Active only when edited.

### 3.2.1.1 Track Health Information

View, record, modify, and save physical examination results by date.

Track Health Information	В	C
6/30/2017	Select Date	<b>,</b>
Height	cm	D
Weight	kg	
ВМІ	kg/m²	
Waist Size	ст	
HbA1c	%	
Blood Pressure		mmHg
Total Cholesterol	mg/dL	
Neutral Fat	mg/dL	
LDL Cholesterol	mg/dL	
HDL Cholesterol	mg/dL	
Note		
	E	

	Displayed Item	Description							
Α.	Selected Date	Displays saved.	Displays the selected date to be viewed, modified or saved.						
Β.	Calendar Button	Shows	а	calendar	dialog	to	select	а	date.

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				<b>•</b>					
		G		Ju	ne 20	)17		•	
		Sun	Mon	Tue	Wed	Thu	Fri	Sat	
		28	29	30	31	1	2	3	
		4	5	6	7	8	9	10	
		11	12	13	14	15	16	17	
		18	19	20	21	22	23	24	
		25	26	27	28	29	30	1	
		2	3	4	5	6	7	8	
C.	List of saved	Lists	the	dat	es ir	wł	nich	the	Health Information is
	Health Information		ady s						
		L		-					
		10//	Aug/2	2015					
		11//	Aug/2	2015					
		12//	Aug/2	2015					
D.	Fields of Health	BMI	is au	utom	atica	illy ca	alcul	ated	by height & weight.
	Information								the Settings menu.
Ε.	Save Button							data.	
Active only when edited.									

### 3.2.2 Health Management

Click the "Health Management" and the following screen will appear.

	RTLOG gement Software	s   4/05/2000		7 Mi sone no	<b>Q</b>
Contraction Contra	User Profile	Health Management	[	Test Schedule	Account Settings
<u>ρ</u> Α	Height	• cm	0 ft	Glucose Ta	arget(mg/dL) C
User	Weight	l kg	O lbs	* Pre-meal	79 ~ 130
l.r	BMI	kg / m <sup>2</sup>		* Post-meal	79 ~ 180
<u>lılı.</u>	Type of Diabetes	None		<ul> <li>* Hypoglycemia</li> <li>* Hyperglycemia</li> </ul>	70 Below
Report	Type of Didbeles		/2017	Total Range	240 Above
Download / Data	Insulin	NO YES Start Da Rapid-acting Nov Direct input			idra E
Server Sync F	Oral Medication Diet	NO YES Start     NO YES	: Date 6/30/	2017 🔟	G
\$	Exercise	🖲 NO 🔘 YES			Н

Displayed Item	Description
A. BMI	Height can be entered in cm or ft and Weight can be entered in kg or lbs. Data will be automatically converted if you change the unit. BMI will be automatically calculated when you enter your Height and Weight.
B. Diabetes	You can select the Diabetes Types and enter the Time of
Types	Diagnosis.
C. Glucose Target	Set up glucose target range before or after meal. Ranges before and after meal can overlap. Set target range appears as light green area on graphs of some reports. All ranges are automatically calculated and displayed.
D. Insulin	Insulin the user is using can be added. Check "Yes" on insulin status to add insulin. Click the date button as below to choose the insulin start date.

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			*****	-						_	
	Insulin	NO	NO <b>YES</b> Start Date						Hum		
		Rapid-a	cting 🔻	NovoRap			Jur	•	2017		
		Direct in	put		Sun 28	Mon 29	Tue 30	Wed 31	Thu 1	Fri 2	Sat 3
	Oral Medication	NO	• YES	Start Date	4	5	6	7	8	9	10
	Oral Medication		TES	Start Date	11 18	12 19	13 20	14 21	15 22	16 23	17 24
	Diet	NO	YES		<b>25</b> 2	26 3	27 4	28 5	29 6	30 7	1 8
	Click the Down A	rrow to	o choos	e the in							_
	then click the Do										
	Rapid-acting	$\mathbf{\nabla}$									
	Rapid-acting										
	Regular		NovoF	Rapid							
	Long-acting		Humak	bg							
	NPH		Apidra								
	Mixtype		NovoR	apid							
	Click the first ad	dition k	outton to	o add tl	ne s	sele	ecte	d ii	nsu	lin.	
	Rapid-acting		NovoRa	pid			T				
	Click Direct Inpu	ıt field	to ente	er insulii	n r	nec	lica	tioi	n ai	nd	click
	the second addit	ion bu	tton to	select t	he	na	me	of	ins	ulin	not
	on the list. Use once.	on the list. Use Shift+ key to enter multiple numbers at once.									
	Humalog Apid	ra Novo	Rapid				C	F			
	Up to five insulin	medic	ations a	ire save	ed.			* * *			
E. Insulins List	Added insulin na					-					
	is used to enter manually.	the ins	uin dos	age inic	JLU	าลแ	onv	NU	ene	ento	erea
	Click the (-) icon	as be	low to d	elete in	suli	n.					
	(*****										
	🕘 Humalo	g									
	Apidra										
	, that										
F. Additional	You can select th	ne Oral	Medicat	tion, Die	et a	and	Exe	erc	ise		
Information	options.		ad data								
G. Save Button	Save entered or Active only wher										
H. Cancel	Cancel entered of			а.							
Button	Active only wher	n edited	1.								

### 3.2.3 Test Schedule

Click the "Test Schedule" and the following screen below will appear.

SmartLog2											
	i-Sens   4/05/2000	▼ Q									
Home	User Profile Health Management	Test Schedule									
$\sim$											
User	B Working Day Time Setting Sidt Time Sid	Non-Working Day Time Setting									
Report	fore-Breakfz 06 🔷 : 00 🖨 AM ~ fore-Br	reakfz 06 🔷 : 00 🖨 AM ~									
Download / Data	fter-Breakfa: 08 : 00 AM ~ fter-Bre 3efore-Lunct 12 : 00 PM ~ 3efore-										
L.	3efore-Lunct     12     00     PM     ~     3efore-       After-Lunch     02     00     PM     ~     After-L										
	Before-Dinne 06 . 00 . PM ~ Before-										
Server Sync	After-Dinner     08     :     00     PM     ~     After-D       Before-Sleep     10     :     00     PM     ~     Before-										
*	Dawn 00 🖨 : 00 🌲 AM ~ Dav	vn 00\$:00\$ AM ~									

SmartLog manages the data using the meal and sleep time. Time schedule for meal and sleep can be selected for both Working and Non-working days.

Displayed Items	Description
A. Select Non-	You can differentiate working days from nonworking
Working Days	days by clicking the check box next to each date.
B. Working Day Time Setting/ Non-Working Day Time Setting	Modify meal and sleep time. Click Up and Down Arrows next to the hour and minute values as below to modify. Minute values are modified only in ten minute unit.
C. Initialize	Change Days & Time for both Working and Non- working days into default values.
D. Save Button	Save entered or modified data.
	Active only when edited.
E. Cancel Button	Cancel entered or modified data. Active only when edited.

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# 1 Important Information

Make sure to set the time in your meter to match the current time on your PC. If the time setting is wrong, the data can be erroneously analyzed.



#### What you need to know

If any of the schedule doesn't match, the blood glucose data in SmartLog may be displayed in an inappropriate meal slot and cause a production of a report based on erroneous data information. If data appears in an inappropriate meal slot and falls out of the target range, you may misinterpret the information when tracking and organizing data. All data in the before-breakfast through bedtime meal slots will be displayed sequentially with the date of the before-breakfast start time. This includes data that may be recorded after midnight.



### Note

If there is a pre/post meal flag in the blood glucose data, the pre/post meal flag of the blood glucose meter is applied first rather than the pre/post peal flag set in the test schedule.

### 3.2.4 Account Settings

In "Account Setting", you can register a new user and delete/search for a user. Click the "Account Setting" and the following screen below will appear.

SmartLog2	10 14 4 W W W W W W W		1. 70 444	
SMAP Diabetes Mana	RTLOG i-Sens   4/05/2000			<b>v</b> q
Home	User Profile	h ngement	Test Schedul	e Account Settings
R User	A Search name	B Enter Name		৭ <u>৪</u> + <sup>E</sup>
	D C Name i-Sens	Date of Birth 4/05/2000	Gender -	Insurance Number
Report Download / Data	······		·	
Manual Entry				
Server Sync				
☆				

Displayed Item	Description
A. Search Option	Currently set user search option. The basic search option is name, and can be modified to date of birth and NHI number. Click the Down Arrow and choose the search option to modify. Search name Search name Search date of birth Search insurance number
B. Entry Field	Enter information to search. If the "Search" button is pressed with nothing in the Entry Field, then all users are displayed. If the Search Option is changed to Date of Birth, this field changes to Date Selection menu To start searching, click the "Search" button.
C. User List	Registered user list will appear. When the Search tool is run

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		only the searched user is displayed. Click the User List to see the User Profile screen.						
D.	Remove User	Delete the registered user information and data records. Click the delete button to delete.						
E.	Add User	User information s	screen is displayed and new user entered. Registration is possible after datory information.					
		Gender	Male Female					
		Email						





### 3.3 Report

Click "Report" and the following screen will appear.

II. Report						
A	В					
Trend Graph	Recent 14 days	▼) [	Jan/06/2016	<b>**</b>	Jan/19/2016	(III)

While viewing the current report, different types of report can be viewed. You can also view the same report on a different range of days and you may print and send the reports by email.

Displayed	Description
Item	
A. Type of Reports	It displays the selected type of Reports. Click the bottom arrow button and choose the type of a different Report to view. Trend Graph Average Analysis Daily Trend Target Analysis Period Comparison Logbook 2-Week Summary Diary List
B. Range of Days	Range of days of currently displayed report. Click the Down Arrow and select one from the list, or choose "Set period" to modify the range. Start and end dates can be modified using the calendar when "Set period" is selected. Recent 14 days Recent 1 day Recent 7 days Recent 30 days Recent 90 days All Data Set period (selecting a defined range)





	Trend Graph V Set period V 6/17/2017 (1) ~ 6/30/2017 (1)		
	G June 2017		
	Sun Mon Tue Wed Thu Fri Sat		
	28 29 30 31 1 2 3		
	4         5         6         7         8         9         10           11         12         13         14         15         16         17		
	<b>18</b> 19 20 21 22 23 24		
	<b>25</b> 26 27 28 29 30 1		
	2 3 4 5 6 7 8		
	(Selecting "Set period")		
	The report will be automatically re-displayed after selecting dates		
C. Send Email	You can send the report shown on the screen via email.		
D. Print Repor	You can print the report shown on the screen.		
E. Expor Data	You can export all the reports in designated file format.		





### 3.3.1 Trend Graph

Trend Graph displays blood glucose test results for a selected time ranges. This graph shows the blood glucose values, insulin, carbohydrate and exercise graphs. Each graph reveals the daily changes of the blood glucose values, insulin, carbohydrate and exercise. The insulin, carbohydrate and exercise graphs are only displayed when there is a data in a selected day.

Blood glucose graph are shown as dots on an X-Y graph. Each data is connected to the next with a solid line.

Glucose data will appear in chronological order, from the oldest to the most recent. The X-axis represents the date and time of the measurement. The Y-axis represents the actual glucose level.



RangeIt is graph. (Refer to 3.2.2 health Management and<br/>'3.9 Settings' on selecting the Target Value Range.)B. Detailed<br/>InformationMove your cursor on each dots to show the<br/>corresponding details including Date, Time, Glucose<br/>Value, Time Range, and etc.





Insulin graph are shown as bars on an X-Y graph. When a number of insulin is stored at a time, it is displayed cumulatively.

Insulin data will appear in chronological order, from the oldest to the most recent. The X-axis represents the date and time of the measurement. The Y-axis represents the actual insulin level.



Displayed Item	Description
A. Detailed Information	Move your cursor on each bar to show the corresponding details including the name of Insulin, Insulin Value, Date, Time and etc.
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Carbohydrate graph are shown as bars on an X-Y graph.

Carbohydrate data will appear in chronological order, from the oldest to the most recent. The X-axis represents the date and time of the measurement. The Y-axis represents the actual carbohydrate level.

SmartLog2	TLOG i-Sens   Apr/05/2000	
企	III. Report	
Home	Trend Graph  Recent 14 days	Jun/17/2017 🗰 ~ Jun/30/2017 🗰
	77.0	Bread 70 g
Report	6 57.8 8	Jun/29/2017 11:35 AM
Data	(E) A tate (B) A tate (C) A tate	
Manual Entry	19.2	
Server Sync	0.0 Jun/17/2017 Jun/19/2017 Jun/22/2017 J Date	un/25/2017 Jun/28/2017 Jun/30/2017
244		] <u> </u>

Displayed Item	Description
A. Detailed	Move your cursor on each bar to show the corresponding
Information	details including the type of Carbohydrate, Carbohydrate
	Value, Date, Time and etc. When there is no type of
	carbohydrate, "-" is displayed.

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Exercise graph are shown as bars on an X-Y graph.

Exercise data will appear in chronological order, from the oldest to the most recent. The X-axis represents the date and time of the measurement. The Y-axis represents the actual exercise level.

SmartLog2 SMAR Diabetes Manage	LOG ent Software i-Sens   Apr/05/2000	X
Home	II. Report	
A <sub>User</sub>	Date	
Report	242.0 A Walking 200 kcal	
Download / Data	181.5 Jun/28/2017 4:35 PM	
Manual Entry	Exercise (cg)	
Server Sync	60.5	-
⇔	Jun/17/2017 Jun/19/2017 Jun/22/2017 Jun/25/2017 Jun/28/2017 Jun/30/2017 Date	Ī

Description
r on each bar to show the corresponding
the type of Exercise, Exercise Value, etc. When there is no type of exercise,



#### 3.3.2 Average Analysis

The Average Analysis shows glucose averages by meal slots and day of the week. This analysis allows you to monitor how glucose data are influenced by meals and by day.



Displayed Item	Description						
A. Pre/Post Meal Average Values	It will show the average values by hours. The X-axis represents the meal and sleep time, while the Y-axis represents the average values. Average values in each Pre/Post Meal and Before/After Sleep are shown in the bar graph.						
B. Daily Average Values	It will show the Daily Average Values. The X-axis represents the day while the Y-axis represents the Average Values.						
C. Detailed Information	Move your cursor to each bar to see the corresponding details including Counts, Total counts and Glucose Averages.						

#### 3.3.3 Daily Trend Graph

The Daily Trend Graph will show the glucose values in 24 hours period. This report allows you to easily track changes in blood glucose data on an hourly basis.



All the glucose measurement values are shown as dots in the X-Y graph. The Xaxis shows the measurement time and the Y-axis shows the actual glucose measurement value.

Displayed Item	Description
A. Target Value	Target Value range is shown in light green region from the graph. (Refer to '3.2.2 Health Management' and '3.9 Settings' on selecting the Target Value Range.)
B. Detailed Information	Move your cursor on each dots to show the corresponding details including Time, Glucose Values, Time Ranges and etc.
C. Select Date	Select a specific date to see the average data in red lines of the relevant date. Click the date to select.





#### 3.3.4 Target Analysis

Target Analysis Report displays the percentage of glucose data above and below each pre- and post-meal target range.



Target Analysis Report displays total of 10 different pie charts. It uses applicable pre- and post-meal and night/bedtime target ranges to display an overall target range. Pie chart will show the percentage breakdowns using glucose data as well as the frequencies of measurements for all meals and sleep time. (Refer to '3.2.2 Health Management' and '3.9 Settings' on selecting the Target Value Range.)

#### 3.3.5 Period Comparison Graph



The Period Comparison Graph allows you to compare glucose value trends between a selected date period and a previous date period.

Current blood glucose data are shown as dots on the upper part of an X-Y graph while previous date period is shown in the bottom, each piece of data is connected to the next with a solid line.

Glucose data will appear in a chronological order, from the oldest to the most recent. The X-axis represents the date of the data and the Y-axis represents the glucose level.

Displayed Item	Description					
A. Target Value	Target Value range is shown in light green region from the graph. (Refer to '3.2.2 Health Management' and '3.9 Settings' on selecting the Target Value Range.)					
B. Detailed Information	Move your cursor on each dots to show the corresponding details including Dates, Time, Glucose Values, Time Ranges and etc.					
C. Statistics	It will show the Highest, Lowest, Median, Standard Deviation, Frequency of Measurements and Average Values.					





- 3.3.6 Logbook
  - 3.3.6.1 View Glucose Record

View Glucose Record Report shows daily glucose data by the time ranges. Glucose values displays in a sequential list distinguished by meal/sleep time ranges.

SmartLog2 SMAR Diabetes Manage	TLOG ment Software i-Sens   Apr/05/2000
Home	III. Report
8	Logbook         ▼         Recent 7 days         ▼         Jun/24/2017         ™         Jun/30/2017         ™
User Lile. A	View Glucose Record     Glucose Statistics       • Non-Working Day     • High Glucose     • Low Glucose     © Ketone     ★ Control Solution     ☑ Manual Entry       • Pre-meal     ¥ Post-meal     ② Fasting     ¶ Carbohydrate     ★ Exercise     Ø Insulin     Memo
Report Download / Data Manual Entry Server Sync C	Date       Before Breakfast       After Breakfast       Before Lunch       After Lunch       Before Dinner       After Dinner       Before Sleep       Dawn         Jun/30/2017       132       98       7:38 PM       D       3:57 AM       2         11:47 AM       12       98       D       3:57 AM       2         11:35 AM       11:35 AM       11:34 AM       11:33 AM       11:30 AM
	Image: Section of the section of th



Displayed Item	Description
A. Legend	High blood glucose level is displayed red and low blood glucose level is displayed blue. Dates set as holidays are displayed green. (Refer to '3.2.2 Health Management' and '3.9 Settings' on selecting the Target Value Range. Refer to '3.2.3 Test Schedule' on setting holidays.) Data entered from Manual Entry displays manual entry icon at the bottom. Data that memo has been entered from Manual Entry displays memo icon. Ketone icon is displayed when the data is a ketone value, CS (Standard Solution measurement value) icon is displayed when the data is a CS value and Insulin icon is displayed if the data contains insulin dosage. Icons are displayed according to pre-meal, post-meal and fasting, and when there are carbohydrates or exercise data, they are displayed together.
В. Сору	The blood glucose record which is currently displayed is copied and checked by pasting it into an excel file.
C. Manual Entry Icon	You can instantly use the Manual Entry. (Refer to '3.7 Manual Entry' on manually entering data.)
D. Detailed Information in Manual Entry	Click on each value to edit or delete information. However Date, Time, and Glucose Values downloaded from the meter cannot be edited nor deleted.
E. Time Display Button	<ul> <li>Click Time Display button on the left to check start and end times of each time range.</li> <li>Weekday time (dark blue), weekend time (green), time range (original status) are displayed with each click.</li> <li>(Refer to 3.2.3 Test Schedule' on setting start and end times of each time range.)</li> </ul>



### Note

If there is a pre/post meal flag in the blood glucose data, the pre/post meal flag of the blood glucose meter is applied first rather than the pre/post peal flag set in the test schedule.

**SMARTLOG**®

TLOG ement Software i-Sens   4/05	2000	HAW	0000					
III. Report								
Logbook	Recen	t 7 days			6/24/20	17 [	1)~	6/30/
View Glucose Record		Glucose S	Statistics		Glucose Unit	mg/dL		E
Division	Before Breakfast	After Breakfast	Before Lunch	After Lunch	Before Dinner	After Dinner	Before	Dav
Count of Data	3	11	3	9	1	0	0	8
Average	159	155	176	182	98	0	0	14
Maximum Value	222	239	184	233	98	0	0	21
Minimum Value	104	59	165	104	98	0	0	5
Hyperglycemia Count	0	0	0	0	0	0	0	C
Hypoglycemia Count	0	2	0	0	0	0	0	1
Standard Deviation	59	65	10	49	2 <u></u>	2	2	5
Median Value	151	138	180	198	98	0	0	14

#### 3.3.6.2 Glucose Statistics

Glucose Level Statistics will display statistical data including Number of Readings, Average, Highest, Lowest, Number of Hyper/Hypo Readings, Standard Deviation, Median in each meal/sleep time ranges. You can use 'copy' and 'manual input' functions in glucose measurement statistics.





#### 3.3.7 Two-Week Summary Graph



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Ŀ	I. Repo		aanna 1		1111111					
		<b>I</b> II								
2-	Week Summary		Rece	ent 14 days	V	Jun/1	7/2017 [	ii)~ Ju	n/30/2017	
ě P	Ion-Working Day 单 Hig re-meal 🎽 Post-meal 🤇 Date		arbohydrate 🏃 E After	xercise <u> M</u> Insulir	n 🔲 Memo	Manual Entry	After Dinner	Pafara Claan	Dawn	
>	Jun/30/2017	Breakfast	Breakfast 132	before Lunch	Alter Lunch	98	Anter Dinner	Delore Sleep	98	
•	Jun/30/2017		132 11:47 AM			7:38 PM			3:57 AM	
			11.47 AW						5.57 A	
			-							
			11:35 AM 년 11							
			- 11:34 AM ⊠							
			59							
				11:33 AM						
			E S							
		-	ß							
	.lun/29/2017		⊠ 239		198				126	

2-Week Summary graph shows all data within the 2-week date range in trend graph and logbook (glucose level statistics, glucose level record) report. Refer to '3.3.1 Trend Graph' and '3.3.6 Logbook' on detailed explanations on each report.





#### 3.3.8 Diary List

Measurement History List shows all data including date, time, measurement value and memo within a selected range.

SmartLog2 SMAR Diabetes Manage	TLOG ement Software	Gens   Apr/05/20	Maarin	▼ Q
Home	II. Repor	t		
0	Diary List		Recent 14 days	Jun/17/2017 🗰 ~ Jun/30/2017 🗰
	7	Glucose 🔇 Ketone 🖠 eal 🖉 Fasting 📍 C		
h.	Date	Time	Glucose	Memo
Report	Jun/30/2017	7:38 PM	98	<u>د</u>
602	Jun/30/2017	11:47 AM	132	E
Download /	Jun/30/2017	11:35 AM	_	☑ 11 永
Data	Jun/30/2017	11:34 AM	-	<b>E</b> 96
Ċ	Jun/30/2017	11:33 AM	59	E (
Manual Entry	Jun/30/2017	9:33 AM	239	E .
(=)	Jun/30/2017	3:57 AM	98	E
Server Sync	Jun/29/2017	5:11 PM	198	Ľ
	Jun/29/2017	3:07 PM	163	e i
₩.	Jun/29/2017	11:35 AM	-	E 17 k
ł	🔕 Manual Entry			
	* Date	6/30/2017	<b>T</b>	Insulin Humalog
	* Time	11 🔹 : 35	*	<b></b>
	Glucose	mg/dL	Ketone	
	Meal	None		
	Carbohydrate	23 g	1 slice of bread	
	Exercise	220 kcal	a 20-minute rur	
	Memo	Please enter le	ess than 500 charac	cters.



Displayed Item	Description
A. Legend	High blood glucose level is displayed red and low blood glucose level is displayed blue. Dates set as holidays are displayed orange. (Refer to '3.2.2 Health Management' and '3.9 Settings' on selecting the Target Value Range. Refer to '3.2.3 Test Schedule' on setting holidays.) Ketone icon is displayed when the data is a ketone value, CS (Control Solution measurement value) icon is displayed when the data is a CS value and Insulin icon is displayed if the data contains insulin dosage. Icons are displayed according to pre-meal, post-meal and fasting, and when there are carbohydrates or exercise data, they are displayed together.
B. Detailed Information	Click each line to modify or delete data. However, the date, time, and glucose level downloaded from the meter cannot be modified or deleted. (Refer to '3.7 Manual Entry' on manually entering data.)
С. Сору	The blood glucose record which is currently displayed is copied and checked by pasting it into an excel file.



Some reports show the percentage of glucose values in the Target Glucose Values. In some cases, the sum of the percentage might not be 100% because of rounding error or because the precision of SmartLog might not have been reflected.



#### 3.4 Download / Data

"Download / Data" allows you to Download Data and Import/Export the data to/from SmartLog in various file formats.

Click the "Download / Data" and the following screen will appear.

SmartLog2			- <b>C</b> X
Diabetes Mana	RTLOG isement Software		V Q
Home	Ownload / Data	3	
User User Report Download / Data Manual Entry	A	Download Data	
Server Sync	Export Data	Import Data	Restore Data

Displayed Item		Description					
A. Download Data You can download the glucose data from the meter							
		PC or Mac.					
Β.	Data	You can export the stored data to various file formats,					
	Management and import from the exported files.						





#### 3.4.1 Download Data

You can download the glucose data from the meter to PC or Mac



#### What you need to know

You need to use the Data Cable to connect the i-SENS meter to PC. Depending on the user's meter, SmartLog cable may be required. Connect the end of the cable to the (A) USB port of PC and the other end of the cable to (B) the meter's communication port.



A. Connect to USB port



B. Connect to meter's communication port

Connect the meter to PC with the USB cable and turn on the meter. Click the "Download Data" button when the meter shows "Pc" on the screen.



# Important Information

You cannot test or use the memory function of the meter while it is connected to PC. Do not test the meter while the meter is connected to PC.



When the meter is successfully connected, Data Download will start. Data Download screen will show the progress from 0 to 100% as shown below.





#### Note

When the meter is not properly connected to PC or the meter is not turned on, "Pc" is not displayed on the meter screen. Then, a speech balloon as below will appear on the top right of the screen.



If the speech balloon is displayed, connect the meter or turn on the connected meter, check if 'Pc' is displayed, and rerun the data receiving process.



#### What you need to know

While you are downloading the meter data, do not remove the SmartLog USB cable from your PC or your meter.

When the progress shows 100%, the screen will show the number of downloads and the list of the data.

Download completed									
Number of Data : 4									
Date Time Glucose(mg/dL)									
Mar/21/2015	7:05 AM	Lo							
Mar/21/2015	Mar/21/2015 7:05 AM Hi								
Apr/18/2015	6:16 AM	Hi							
Apr/18/2015	6:14 AM	Hi							
A Stores meal flags from meters									
D Meter time: Jun/17/2015 2:31 AM System time: Jun/30/2017 12:30 PM Synchronize									

Displayed Item	Displayed Item Description					
A. Stores meal flags from the meters	When saving the downloaded data from the blood glucose meter, check whether the meal flag set in the meter is also stored. If unchecked, the meal flag value is not stored.					
B. Save button	The procedure to go to the user profile screen and save the downloaded data will start.					
C. Cancel button	Close the completion window without storing downloaded data.					
D. Meter/System time	Display meter/system time when the download is completed. The meter time may not be supported depending on the blood glucose meter.					

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E. Synchronize	The time of the meter is set to the time of the system.
	It may not be supported depending on the blood glucose
	meter.

Refer to '3.2.1. User Profile' about registering a new user. When adding a meter serial number to a registered user, click the Down Arrow next to 'Add User Account' button as below and select user name.

Add user account	
Add user account	
i-Sens	

If a meter that has been connected before, user profile is inactive as the screen below.

Basic Inform	ation 🔗
*Name	i-Sens 🔍
	i-Sens
Date of Birth	Apr/05/2000
Gender	Male Female
Email	

## What you need to know

If a new user is not registered or serial number of the meter is not added, the downloaded data will not be saved.



#### 3.4.2 Export Data

Click the "Export Data" and the following screen will appear.



Displayed Item	Description						
A. File Location	Click 'Browse' button to designate the location th exported data will be saved.						
B. File Format	Choose the type of file format when exporting data.						
C. Period	Designate the date range of exported data record. Use the calendar to designate the start and end date. Select 1 day, 3 days, 7 days, 14 days, 30 days, 60 days, 90 days, all data button to choose period based on the end date.						
D. Export Data Button	Set each item and click 'Export Data' to start exporting data.						





Exporting files is also possible in the Report menu.



Clicking the export button on the right side of "Report" will show export dialog. The default duration will be set as the same with current duration of report.



#### What you need to know

Information of the current user is exported when data is exported. Change the current user to change the exported user. (Refer to '3.1 Run SmartLog' on changing the current user.)

#### 3.4.3 Import Data

Click the "Import Data" and the following screen will appear.

S Import Data	o j m	×	] [	\delta Import Data	o j w	x	
File Location				File Location			
ABrowse				5_135225_Reporte de nivel de glucosa.xls Browse			
Name	Date of Birth	Gender		E <sup>r</sup>	Number of Data	117	
В		_		Date	Time	Glucose(mg/dL)	
				Jan/02/2016	2:53 AM	144 🔶	
				Jan/02/2016	3:14 AM	71	
				Jan/02/2016	3:49 AM	111	
				Jan/02/2016	4:33 AM	101	
				Jan/02/2016	6:10 AM	68	
				Jan/02/2016	12:04 PM	224	
				Jan/02/2016	3:33 PM	135	
		<u>×</u>		Jan/03/2016	12:26 AM	86	
				Jan/03/2016	1:02 AM	213 🔪	
Period		D	F				

Displayed Item	Description				
A. File Location	Click 'Browse' button to select data file from saved location. Only xls and csv files and PC care files can be selected.				
B. User List	Username, date of birth, and gender are displayed when the browsed file is selected.				
C. Period	Data record time range of the browsed file is automatically designated.				
D. Import Button	Set each item and click 'Import Data' button to start importing data. Browsed data is displayed on E. Click the button one more time to add the data to the current user.				
E. Downloaded Data List	Designate the location and click 'Import Data' to see the date, time, and blood glucose level items of the relevant file.				
F. Confirm Button	Finish importing the data and close the restore window.				



#### 3.4.4 Restore Data

Click the "Restore Data" and screen will show as below.

Restore Data	0.1.00	×		\delta Restore Data		×
File Location         A           C:/ProgramData/SmartLog2/smartlog.sqlite         Browse				File Location C:/ProgramData/SmartLog2/smartlog_240.sqlite Browse		
Name         Date of Birth         Gender           i-Sens         2000-05-04         M			• • • •	D	Number of Data : 1	
В				Date Jun/30/2017	Time 1:51 PM	Glucose(mg/dL) 123
C					$(\checkmark)$	Е

Displayed Item	Description
A. File Location	Click 'Browse' button to select data file from the saved
	location.
B. User List	Choose a file to backup to display username, date of
	birth, and gender of the relevant data record. Select the
	name of user from the list to restore.
C. Restore Data	When the "Restore Data" button is activated by selecting
Button	the user to restore from 'B', data can be restored by
	clicking "Restore Data" button.
D. Data List	Display restored data list.
E. Confirm Button	Finish restoring the data and close the restore window.





#### 3.5 Send Email

All reports can be sent through email through 'Send Email.'



Click 'Send Email' button at the top right of 'Report' menu. The page as below will appear.



Displayed items		ems	Explanation
	eport election	Туре	The report type set in 'View Report' menu is set as default. Select check boxes in front of each report type to modify the report types.
В. Ре	eriod		The report date range set in 'View Report' menu is set as default. Use calendar to designate the start and end dates, or select 1 day, 3 days, 7 days, 14 days, 30 days, 60 days, 90 days, all data button to choose period based

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	on the end date.
C. Send Email	Click 'Send Email' button to output data.
Button	

You can use this function if you have the email client program installed and have the internet connection.

When you start the "Send Email", email client program installed in OS will run. Please refer to your email client program user's manual to learn how to send emails.



#### What you need to know

Once you start the "Send Email", you will not be able to use SmartLog's other functions until the email has been sent or cancelled. All functions will run properly after the email has been sent or cancelled.





#### 3.6 Print Report

You can print all types of the reports.





Click the "Print Report" and the screen will show as below.



Display	ed items	Explanation
A. Repo	rt Type	The report type set in 'View Report' menu is set as default.
Selec	tion	Select check boxes in front of each report type to modify
		the report types.
B. Perio	d	The report date range set in 'View Report' menu is set as default. Use calendar to designate the start and end dates, or select 1 day, 3 days, 7 days, 14 days, 30 days, 60 days, 90 days, all data button to choose period based on the end date.

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C.F	rint Button	Click Print button to print.
-----	-------------	------------------------------

On the top of the printed report, the type, designated period, username, date of birth, gender, and NHI number of the relevant report are printed. Username, number of page, date and time of print are shown at the bottom of the page.



#### What you need to know

When practicing the print of report, the SmartLog's other functions are not operated until the print job is completed or canceled. However, after completing or canceling the print job, all of the functions are operated normally.





#### 3.7 Manual Entry

Manual Entry is allowed to record glucose values manually.

Click the "Manual Entry" menu and the following screen will appear.

SmartLog2	TLOG nent Software	ns   Apr/05/2000	
Home	Ju Manual	Entry	
User A	* Date * Time Glucose Meal	Jun/30/2017	Insulin Apidra
Download / Data B	Carbohydrate Exercise	g V Direct input V kcal V Direct input V	
Manual Entry	Memo	Please enter less than 500 characters.	Е
*			F F

	Displayed Item		Description
Α.	1 3	Glucose	Enter or modify date and time of measurement and blood glucose level. To enter ketone values, mark 'Ketone' and enter the values. Ketone mmol/L icketone When there is no input of data, "-" is displayed in the Logbook and Diary List. Select the meal information of blood glucose values together. Click Down Arrow to select Pre-meal, Post-meal and Fasting. None Pre-meal Post-meal Fasting
В.	Carboł	nydrate /	Enter the information of carbohydrate and exercise.





	1
Exercise Information	Input directly or select the designated types of carbohydrate and exercise by pressing the Arrow as below.
	Carbohydrate g Direct input
	Exercise kcal V Direct input V
	Not allowed to input the values when selecting the designated types. Select "Direct input" and input the values when you want to input the values directly. The types of carbohydrate and exercise are displayed as "-" in the report when "Direct input" is selected and saved.
C. Insulin	Select the type of insulin and click add button to add insulin to the list as below.
	Apidra
	User – Select insulin types that are added in the Health Management menu. (Refer to 3.2.2 Health Management on adding or deleting insulin types.) Enter dosage on the insulin list as below. Click (-) icon to delete.
D. Memo	Enter or modify information below 500 characters on
	recorded data.
E. Save Button	Save entered or modified data.
F. Cancel Button	Active only when edited. Cancel entered or modified data. Active only when edited.

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#### 3.8 Server Sync

In Server Sync menu, you can send the glucose data to server or receive the data from the server and save it. The first time you use the server sync menu, the Terms of use screen is displayed as below.



If you agree to all the terms, confirm button is activated and you will be able to use the sync service only if you click the button.



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If you agree to all the terms, the following screen is displayed. Click the login button to login in first and then proceed with sync.



Displayed Item	Description
A. Search Option	Currently set user search option. The basic search option is name, and can be modified to date of birth and NHI number. Click the Down Arrow and choose the search option to modify. Search name Search name Search date of birth Search insurance number
B. Entry Field	Enter information to search. If the "Search" button is pressed with nothing in the Entry Field, then all users are displayed. If the Search Option is changed to Date of Birth, this field changes to Date Selection menu To start searching, click the "Search" button.
C. Sign in/out Button	Display login/logout dialog.



D. User Information	User name, the date of birth and gender are displayed.
E. ID Field	Enter the ID of the server to be synchronized. It must be the same ID as account you are signed in or shared ID.
F. Last Sync time	Display the time the user last synchronized.
G. Manual Sync button	Proceed with synchronization manually.
H. Auto-sync switch	Set up auto sync for this user. Only the user with switch on will auto sync.

If you click the login button without logging in, the following login dialog appears.

The sync service is available only if you have a SmartLog server account. If you do not have an account, you can use it after registering on the membership registration page.

ł	SmartLog sync	X
	A Create account	B C Find PWC Terms of use
	D D	
	PW	
		E F G Sign in

Displayed Item	Description
A. Create account Button	Go to the external web link for membership registration.
B. Find PW Button	Go to the external web link to find PW.
C. Terms of use	Confirm the terms of use.
D. ID/PW Field	Enter the ID and PW of the server account.
E. Keep Connection	Your login will remain on check.
F. Auto Sync	The auto sync is activated on check. The data of the user whose auto synchronization switch is on in the user list is automatically synchronized.





G. Sign in Button	Proceed to login.

If the login succeeds, the login account ID appears at the top and login button turns green.

Server Sync	i-SENS@abc.com
Search name	<u>م 26</u>

If you click the logout button while logged in, the following logout dialog appears.

SmartLog sync	×
A Close account	Terms of use
ID	i-SENS@abc.com
Keep connection Auto Sync	B Sign out

	Displayed	Item	Description
Α.	Close	account	Go to the external web link to close the account.
	Button		
Β.	Sign out	Button	Proceed with logout.





#### 3.9 Settings

In Settings menu, you can change the setting values of SmartLog program. Run Settings menu and the Settings screen will appear as below.

SmartLog2 SMAR Diabetes Manag	TLOG i-Se	ns   Apr/05/2000		<b>Q</b>
Home	Settings	3	N 9	
User User Report	Language Date Format	System Language	Pre-meal Post-meal Hypoglycemia Hyperglycemia	79     130       79     180       70     Below       240     Above
Download / Data C Manual Entr	Time Format Glucose Unit Carbohydrate Unit	3:10 PM mg/dL mmol/L g oz	. Meters	79 ~ 180 ocesses Ignores escending Ascending
Server Sync	Operates	<ul> <li>as a server</li> <li>as a client using following ser</li> </ul>	ver (http://[IP address of server]:	9000/)

Displayed Item	Description	
A. Language	Select language. Select 'System Language' to set as the language of the setting of user PC. When modifying language, blood glucose unit, date and time formats are modified to the standard settings of the country speaking the language.	
B. Date/Time Format	Select date and time format.	
C. Glucose Unit	Select glucose unit.	
D. Carbohydrate Unit	Select the carbohydrate unit displayed on the carbohydrate graph in the blood glucose value trend graph.	





E.	Server Setting	Select the location of server. Select 'as a server' when the server is in the PC. Select 'as a client using following server' and enter address when the server is outside. Once an address is registered as external server, it is saved in the list to be set more easily.
F.	Server Delete button	Delete address from external server list.
G.	Glucose Target Defaults	<ul> <li>Set glucose target defaults.</li> <li>Glucose Target value set here is automatically saved as a target value of a newly registered user.</li> <li>(Set glucose target value on Health management category of the user menu.)</li> </ul>
H.	Meal Flags from Meters	Select whether to show the meal flag value of blood glucose meter. If you ignore the flag value of the meter, it will not be shown in the report.
1.	Sorting Order	Set sorting order of the blood glucose value in Log Book, Diary List and exporting the data (XLS, CSV).
J.	Save Button	Save entered or modified data. Active only when edited.
K.	Cancel Button	Cancel entered or modified data. Active only when edited.





### What you need to know Important Information about Glucose Unit

- Standard Glucose Unit differs by countries and regions. For example, mg/dL is used in U.S.A while mmol/L is used in UK. mmol/L unit displays below decimal point while mg/dL unit does not.
- Glucose Unit differs the measurement information significantly and use of the wrong unit of measure may cause incorrect treatment.





#### Note

Major health organizations recommend the following target ranges in their clinical practice guidelines.

[A] American Diabetes Association "Standards of Medical Care in Diabetes – 2012." Diabetes Care. January 2016; 39(1):S15-S100.

□ In mg/dL

Pre-meal targets*	70-99 mg/dL
Post-mealtargets*	140 mg/dL or less

🗖 In mmol/L	
Pre-meal targets*	3.9-5.5 mmol/L
Post-mealtargets*	7.8 mmol/Lor less

[B] American Association of Clinical Endocrinologists Guidelines for Intensive Diabetes Self-management

🗖 In mg/dL	
Pre-meal targets*	90-110 mg/dL
Post-mealtargets*	90-140 mg/dL

🗖 In mmol/L	
Pre-meal targets*	5.0-6.1 mmol/L
Post-mealtargets*	5.0-7.8 mmol/L

[C] Canadian Diabetes Association

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Pre-meal targets\*4.0-7.0 mmol/LPost-meal targets\*5.0-11.8 mmol/L

\* These values are applicable to pre- post-meal targets for user-specific and diabetes-type specific targets for Types 1 and 2.



Always consult with your healthcare provider to set the Glucose Target Level.





### 4. Appendices

#### 4.1 Appendix A Glossary

This appendix describes terms used in the SmartLog User's Manual.

#### **Oral Meds**

Medication that is swallowed as a pill or liquid.

#### Hyperglycemic values

An abnormally high level of glucose in the blood.

#### Meal slot

A slot that allows you to manage the day into eight separate time ranges.

#### **Dietary treatment**

Supplementary medical treatment to control diet in order to cure diseases.

#### Exercise treatment

Supplementary medical treatment to cure diseases through physical exercise.

#### Insulin

A hormone secreted by the pancreas that stimulates the uptake of glucose by body cells

#### Median

Average of maximum and minimum glucose values.

#### Glucose average

The arithmetic mean calculated on a set of glucose data.

#### **Standard Deviation**

A measure of the spread of a set of glucose values from the mean value in the Period Comparison Graph.

#### Field

An area of a computer's memory or a program where data (number, name, and texts) can be entered, edited, or stored.

#### Blood glucose level

Measurement of glucose levels in the bloodstream



#### 4.2 Troubleshooting

The appendix will help you solve problems that you may have when using SmartLog. If it is still not solved, please contact the Customer Service.

Problem	Solution	
SmartLog does not start.	<ol> <li>SmartLog Diabetes Management Software may already be running. If this is the case, click the SmartLog Diabetes Management Software icon.</li> <li>Close all running programs and re- open them.</li> <li>Restart your computer and then run the program.</li> <li>If the above do not work, uninstall and reinstall the program.</li> </ol>	
SmartLog is unable to communicate with meter.	<ol> <li>Close SmartLog and re-open it.</li> <li>Check whether the cable is properly connected.</li> <li>Another program other than SmartLog may be using the communication port. Close all programs and run SmartLog.</li> <li>Check the battery of the meter. If the battery symbol blinks on the meter, change the battery.</li> <li>Reboot your PC and try again.</li> </ol>	
You cannot print from SmartLog.	<ol> <li>Check whether the printer is turned on.</li> <li>If using a network printer, make sure it is ONLINE.</li> <li>Make sure the printer cable is properly connected.</li> </ol>	
Manually input data is not displayed.	<ol> <li>Make sure the selected date and the date of the input data match. If not, change the date.</li> </ol>	



#### 4.3 Technical Support

If you have any difficulty using SmartLog, please refer to SmartLog User's Manual. For further technical support, please contact i-SENS customer service or visit our website: <u>www.i-sens.com</u>.

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#### Others

If you need help, please contact i-SENS representatives and visit <u>www.i-sens.com</u> for more detailed information.

