

# SleepWell Reader

Simplify CPAP patient care management and self-monitoring

User Manual

Version 1.1.1

Be well, Live well  
**Wellell**

## Revision History

Revision	Issue Date	Revised by	Description
1.0.0	2022/05/30	Cindy Li	New issue
1.0.1	2022/07/28	Cindy Li	Revise 1.4 & 1.5
1.1.0	2022/12/15	Cindy Li	Revise according to software upgrade v5.1.0 Release note: <ol style="list-style-type: none"><li>1. Report layout upgrade and add period selection by report type</li><li>2. Optimize user interface in USAGE Pages and Add unit with value</li><li>3. Bug fixed</li></ol>
1.1.1	2023/02/07	Cindy Li	Revise according to software upgrade v5.1.3 Release note: <ol style="list-style-type: none"><li>1. Improve alert message</li><li>2. Add delete patient function</li></ol>

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# 1. Introduction

## 1.1. About

The SleepWell Reader Software is compatible with Wellell's CPAP System which is intended for the treatment of patients with Obstructive Sleep Apnea (OSA).

The Software is used with Windows based PCs and allows you to download usage data collected by the Wellell's CPAP device after treatment.

To ensure proper use of the software, please read all instructions prior to downloading data from Wellell's CPAP.

## 1.2. System requirements

Your computer must meet the following requirements:

- Windows 10(64 bit)
- Minimum 4GB RAM
- Minimum 500MB hard disk space for software and data.
- Available Windows supported USB port (USB 2.0)
- 1366\*768 or higher resolution

## 1.3. Support products

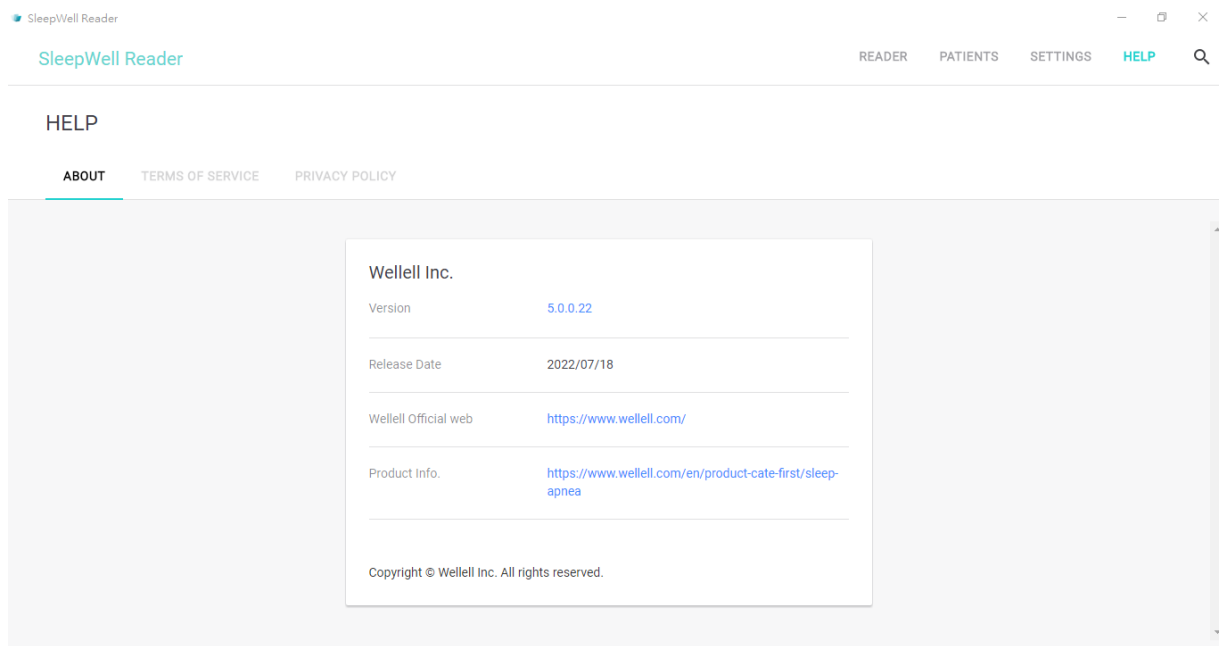
The following products are compatible to SleepWell Reader :

- iX Auto
- iX Sense
- XT Auto (firmware version 5.0 or higher)

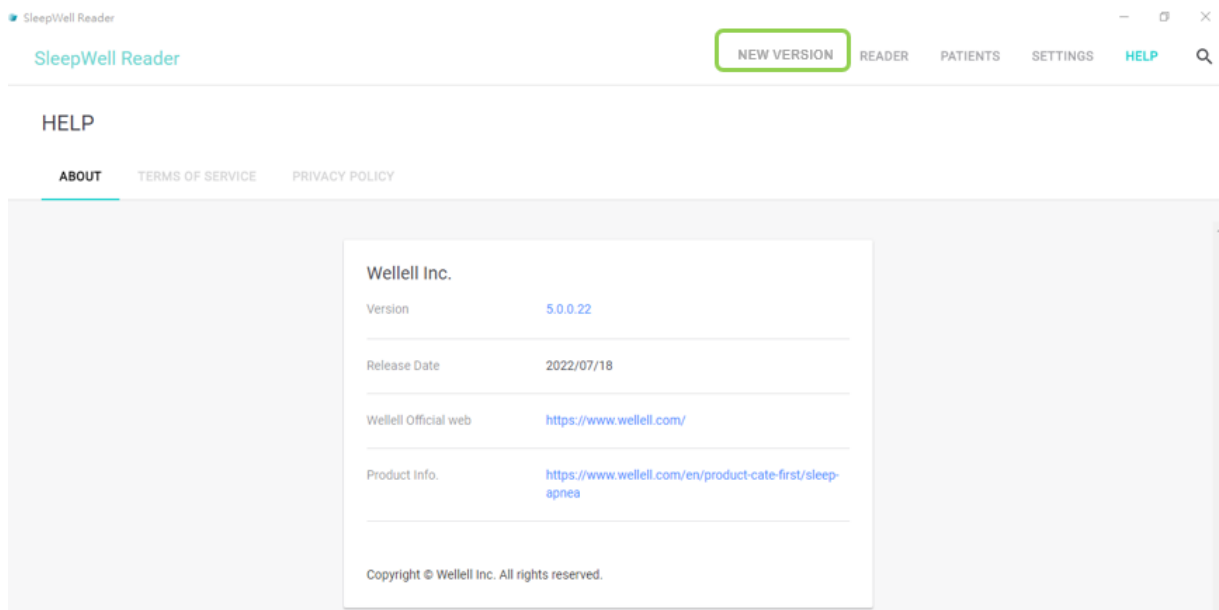
## 1.4. Notice

Please make sure you have updated SleepWell Reader to the latest version before you start to use.

- (1). Click HELP tab and check the version.



- (2). The new version released from Wellell will be shown on the main tab (shown as below) when your computer is connected to the Internet. Click to download and install the latest version.



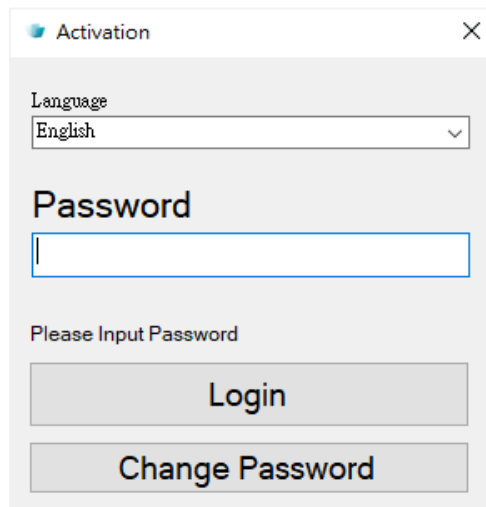
## 2. Installation

- (1). Before you start to install, please close all the applications.
- (2). Click the executable file.
- (3). Please follow the instructions of set up wizard to complete the installation.

## 3. Start

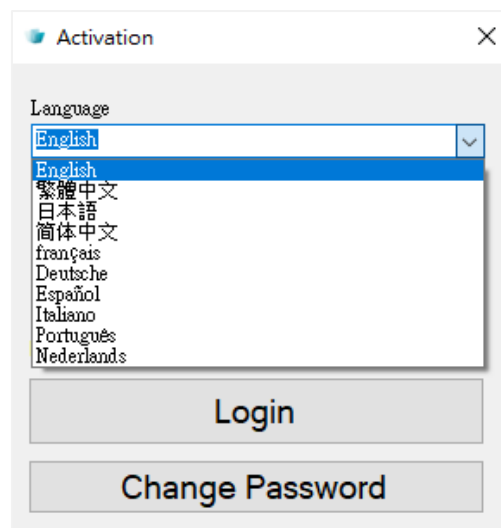
### 3.1. Log in

Enter the password to log in. The default password is 0000, you can change the password (See 3.2)



The screenshot shows a window titled "Activation" with a close button (X) in the top right corner. Inside the window, there is a "Language" section with a drop-down menu currently set to "English". Below this is a "Password" section with a text input field. Under the input field, the text "Please Input Password" is displayed. At the bottom of the window, there are two buttons: "Login" and "Change Password".


You can change the language with the drop-down menu.



This screenshot shows the same "Activation" window, but the "Language" drop-down menu is open, displaying a list of available languages. The list includes "English" (which is highlighted), "繁體中文", "日本語", "简体中文", "français", "Deutsche", "Español", "Italiano", "Português", and "Nederlands". The "Login" and "Change Password" buttons remain visible at the bottom of the window.

### 3.2. Change the password

Click "Change Password".


Activation
✕

Language  
English


Password

Please Input Password

Login

Change Password

Then you can change the password.


Change Password
✕

Enter Password

Enter New Password

Confirm Password

Change Password Message

OK

CANCEL

## 4. Navigator

SleepWell Reader


1 2 3 4 5  
READER PATIENTS SETTINGS HELP

Patients

Name	Medical Record No	Date of birth	Gender	↓ Setup Date	Note Modified
09 VIP		1969/03/01	Male	2022/03/22	
TP03 Testpool		1968/03/01	Male	2022/03/16	
Test P		1971/02/01	Female	2022/02/17	
Wen Wang		1994/08/29	Female	2022/01/20	

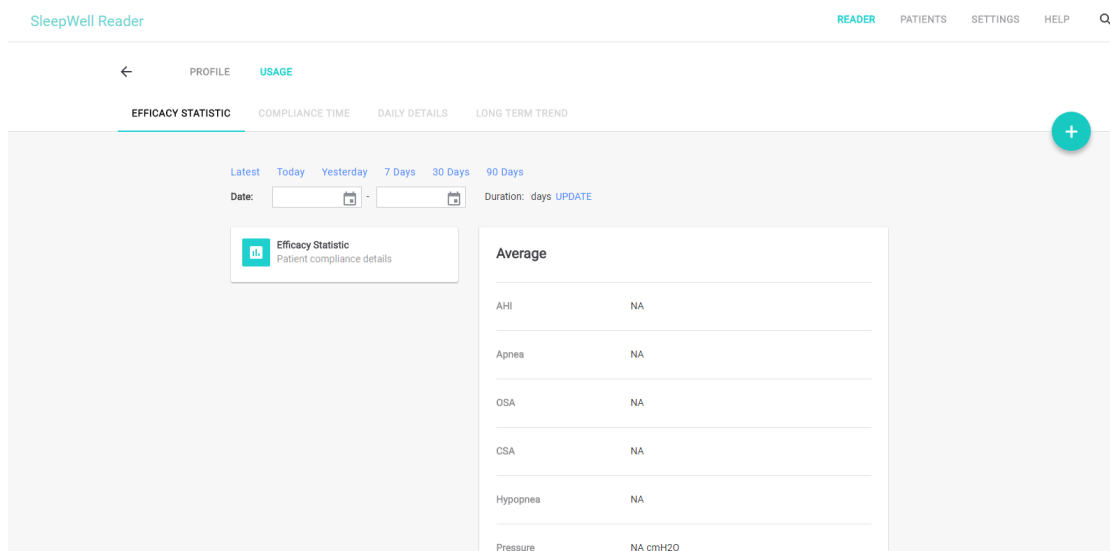
+

- (1). READER – readout treatment data without creating a patient profile.

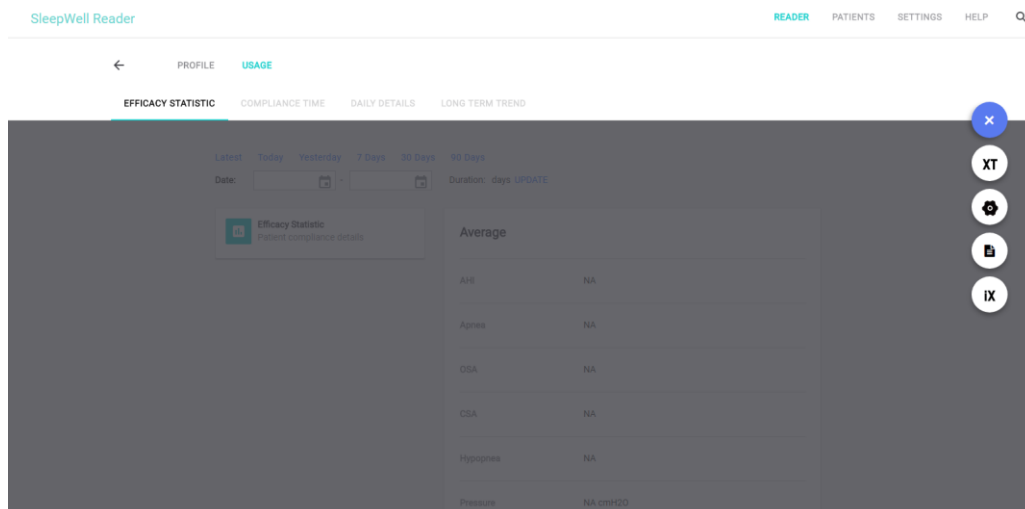
- (2). **PATIENTS** – displays the list of all patients that the user created. User can access the patient’s profile and usage of CPAP under this tab.
- (3). **SETTINGS** – contains language, units, date format and percentile pressure settings.
- (4). **HELP** – provides information of SleepWell Reader and Wellell Inc., privacy policy and terms of use.
- (5). **Quick Search**  – provides quick search function to retrieve specific patient’s profile.

## 5. READER

- (1). Start to view the treatment data by clicking the plus  button at “READER”.

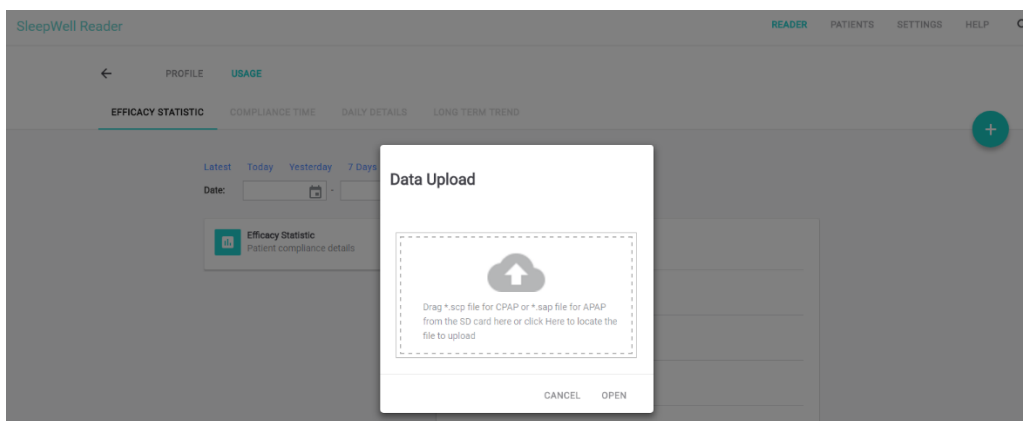


- (2). Click “XT” if the XT model; Click “IX” if the iX model data is intended to view.

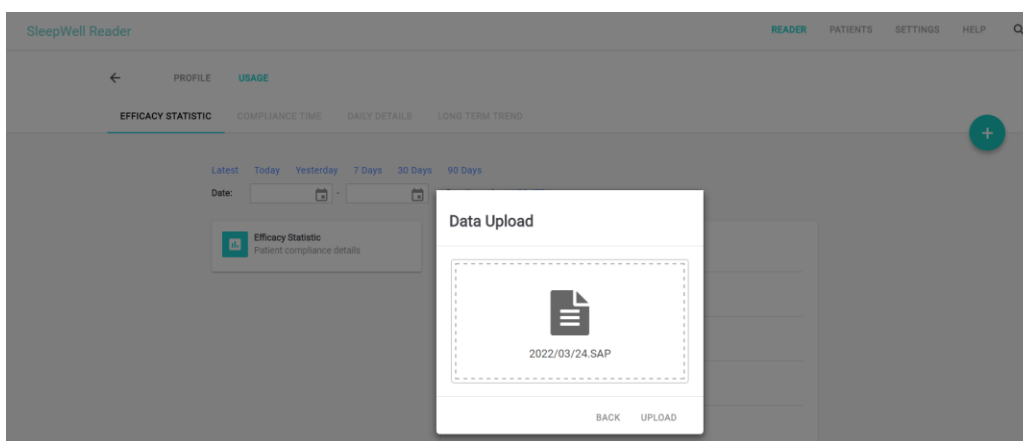


- (3). Click “OPEN” then choose the file to import.





(4). Click “UPLOAD” to import the data.

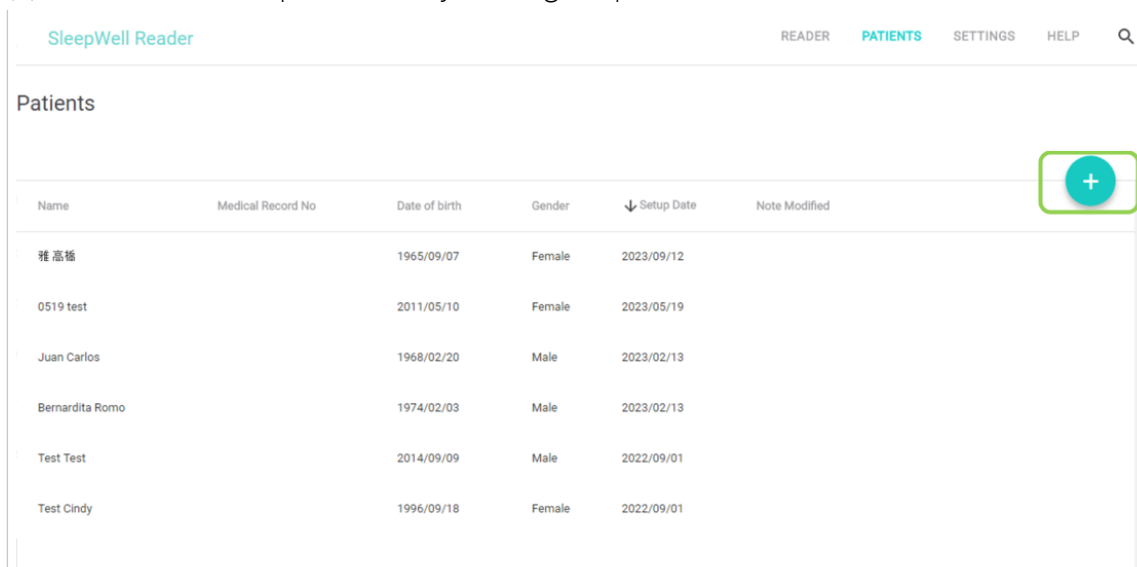


(5). Start to view the data. To learn more detail, please check chapter 7.

## 6. PATIENTS

### 6.1. Add a patient

(1). Start to create a patient file by clicking the plus  button at “PATIENTS”.



- (2). Fill in the new patient's profile information. The field with red asterisk is required. Then click "CONTINUE" to the next page.

1

Patient Profile

Patient Setup Date

2020/04/23

First Name \*

Lee

Last Name \*

Black

Date of Birth \*

2020/04/03

Age

0years old

Gender \*

☒ Male ☐ Female ☐ Other

Patient ID

TEST0004

ID No.

User defined number

CONTINUE

CANCEL

- (3). It is optional to fill in the clinical information. Click "CONTINUE" to the next page.

2

Clinical Details (Optional)

Measurement

Weight

kg

Height

cm

Body Mass Index (BMI)

Neck Circumference

cm

Blood Prssure

Systolic

mmHg

Diastolic

mmHg

Current Setting

Current Pressure Setting

cmH2O

Current Ramp Time

min

Mask

Humidifier System

Clinical Organization

Physician

Sleep Lab

Equipment Provider

Insurance Company

BACK

CONTINUE

CANCEL

- (4). It is optional to fill in the contact details. Click "SAVE" to the next page.

3

Contact Details (Optional)

Address (Number and Street Name, Apt., etc.)

ZIP Code

City

Phone NO.(Office) Phone NO.(Home)

Mobile

Best hour to call?

☐ 8:00-16:00
 ☐ 16:00-24:00
 ☐ 24:00-8:00
 ☐ Any Time

BACK
 COMPLETE
 CANCEL

## 6.2. Upload the data

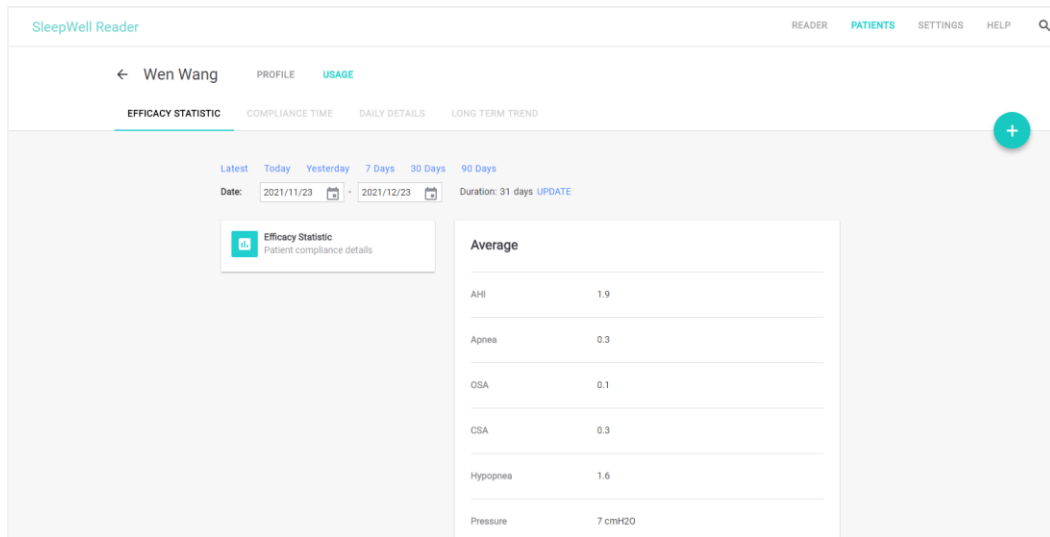
(1). Click the patient's name.

SleepWell Reader						READER	PATIENTS	SETTINGS	HELP	Q
Patients										
Name	Medical Record No	Date of birth	Gender	↓ Setup Date	Note Modified					
09 VIP		1980/03/01	Male	2022/03/22						
TP03 Testpool		1988/03/01	Male	2022/03/16						
Test P		1971/02/01	Female	2022/02/17						
Wen Wang		1994/08/29	Female	2022/01/20						

(2). Go to "USAGE".

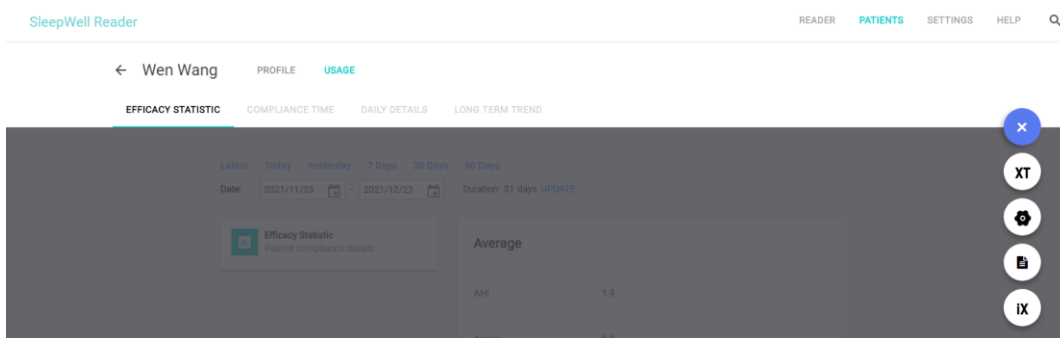
SleepWell Reader						READER	PATIENTS	SETTINGS	HELP	Q
← Wen Wang						PROFILE	USAGE			
EFFICACY STATISTIC						COMPLIANCE TIME	DAILY DETAILS	LONG TERM TREND		
<div> <div> <div>Latest</div> <div>Today</div> <div>Yesterday</div> <div>7 Days</div> <div>30 Days</div> <div>90 Days</div> </div> <div> <div>Date:</div> <div>2021/11/23</div> <div>2021/12/23</div> <div>Duration: 31 days</div> <div>UPDATE</div> </div> </div> <div> <div> <div>Efficacy Statistic</div> <div>Patient compliance details</div> </div> <div> <div>Average</div> <div> <div>AHI</div> <div>1.9</div> </div> <div> <div>Apnea</div> <div>0.3</div> </div> <div> <div>OSA</div> <div>0.1</div> </div> <div> <div>CSA</div> <div>0.3</div> </div> <div> <div>Hypopnea</div> <div>1.6</div> </div> <div> <div>Pressure</div> <div>7 cmH2O</div> </div> </div> </div>										

(3). Click the plus button.

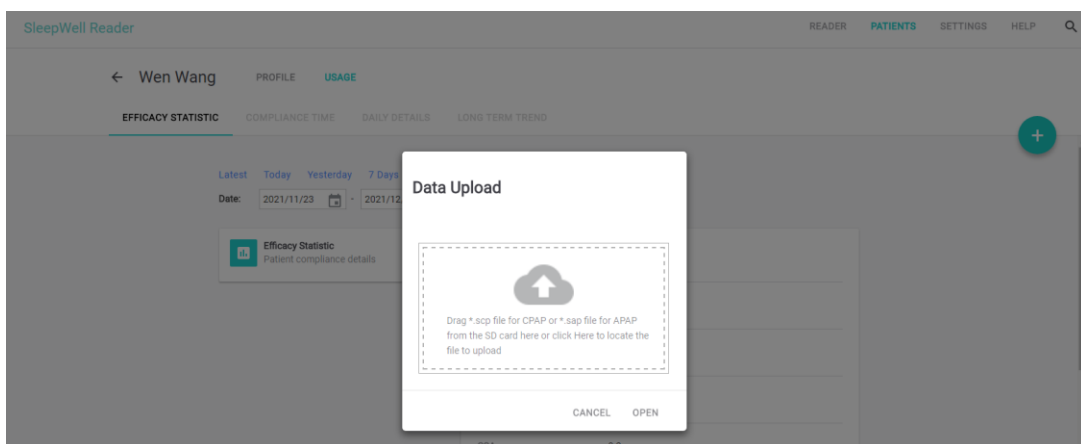


(4). There are 2 ways to retrieve treatment data.

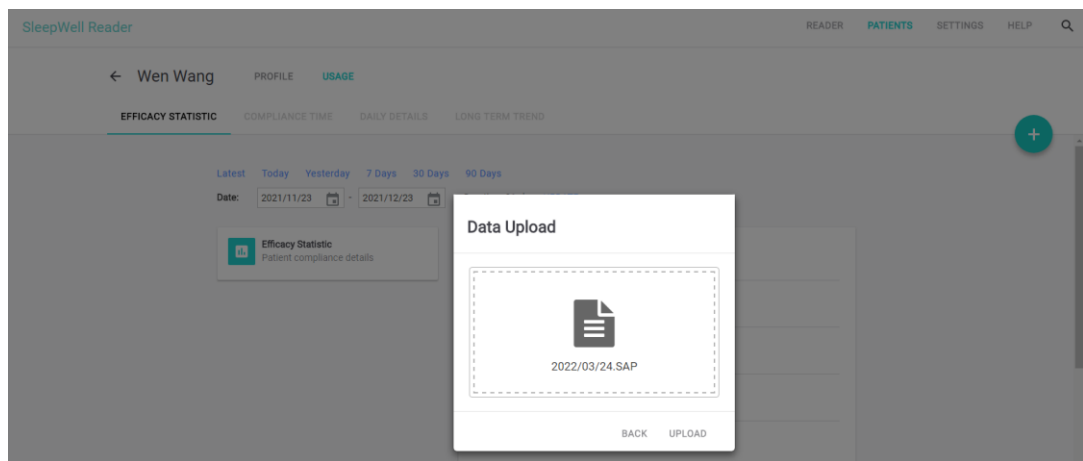
(4-1) Upload with SD cards: Click “XT” if the XT model; Click “iX” if the iX model data is intended to view.



a. Click “OPEN” then choose the file to import.

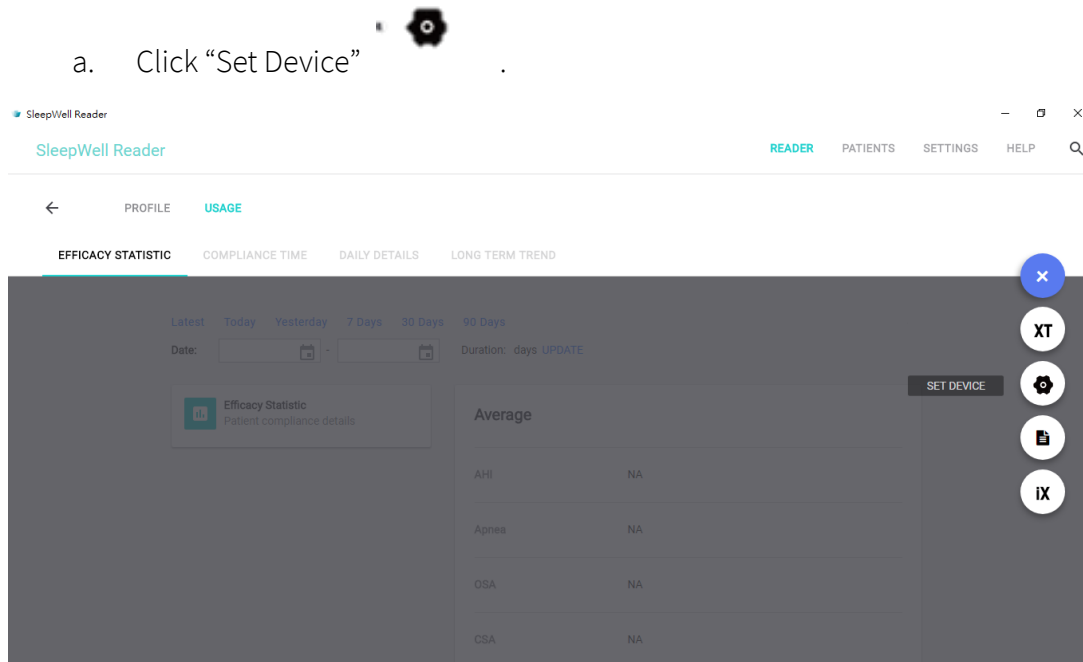


b. Click “UPLOAD” to import the data.

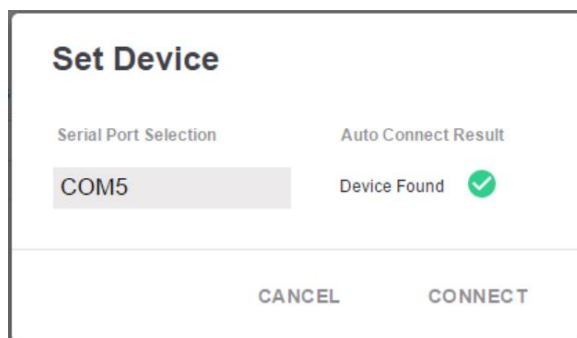


(4-2) Upload with USB cable (XT Auto only):

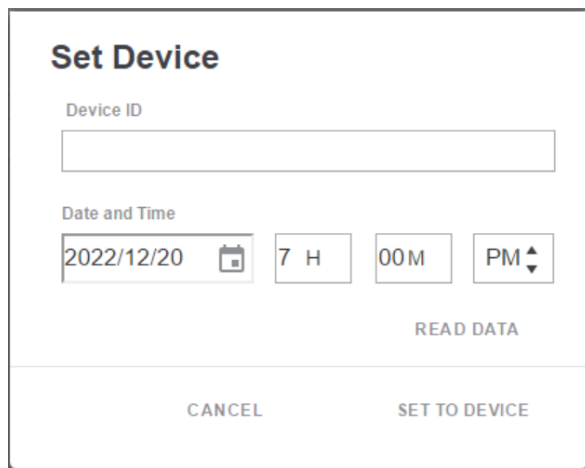
a. Click “Set Device” .



b. Click Connect.



c. Click “Read Data”.

A dialog box titled "Set Device" with a "Device ID" input field, a "Date and Time" section with a date picker (showing 2022/12/20), a time picker (showing 7 H, 00 M, and PM), a "READ DATA" button, and "CANCEL" and "SET TO DEVICE" buttons at the bottom.

**Set Device**

Device ID

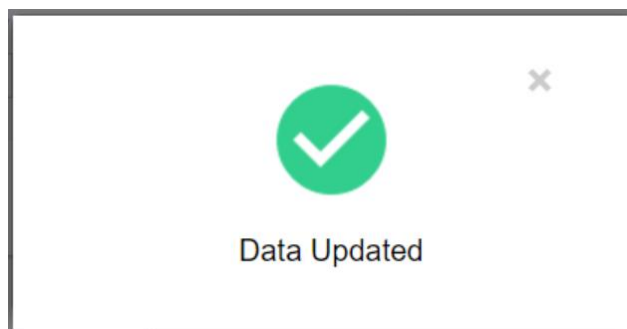
Date and Time

2022/12/20 7 H 00 M PM

READ DATA

CANCEL SET TO DEVICE

- d. Upload data until it shows data updated.



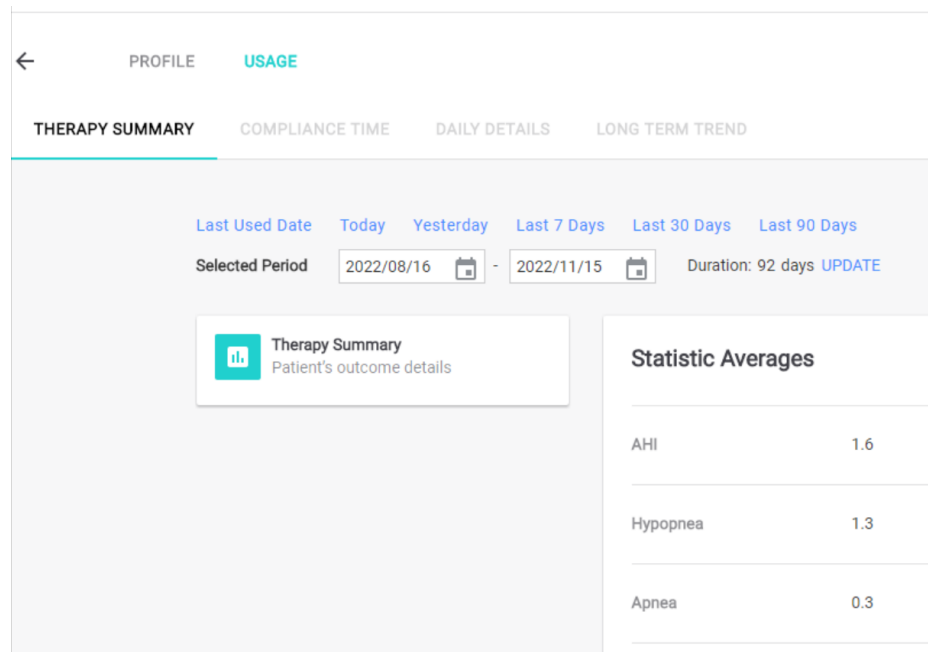
- (5). Start to view the data. To learn more detail, please check chapter 7.
- (6). The device details of the uploaded treatment data is updated to "PRESCRIPTION" tab, please check chapter 9 for more details.

## 7. View the patient's treatment data

Open PATIENTS tab, entering the patient's profile by clicking the name of the patient which you'd like to view.

### 7.1. Therapy summary

- (1). Select the time span to retrieve the data in the period.



## (2). Average and Compliance

- ✓ **AHI (Apnea/Hyponea Index):** The number of apneas or hypopneas occurring in an hour.<sup>1</sup>
- ✓ **Hypopnea:** Decreased airflow for more than 10 seconds and accompanied by SpO2 dropping 3%.<sup>2</sup>
- ✓ **Apnea:** In the sleep, the breathing is fully stopped or airflow decreases  $\geq 90\%$  for more than 10 seconds.<sup>3</sup>
- ✓ **OSA (Obstructive Sleep Apnea):** Obstructive sleep apnea occurs as repetitive episodes of complete or partial upper airway blockage during sleep.
- ✓ **CSA (Central Sleep Apnea):** Similar to OSA, but the cause is that the brain fails to send out enough esignal to initiate breathing due to instability in the respiratory control center.

Average	
AHI	5.3
Apnea	2.4
OSA	2.2
CSA	0.2
Hypopnea	2.9
Pressure	8.9 cmH2O
90th Percentile Pressure	11.7 cmH2O

<sup>1</sup> Ruehland WR1, Rochford PD, O'Donoghue FJ, Pierce RJ, Singh P, Thornton AT. The new AASM criteria for scoring hypopneas: impact on the apnea hypopnea index. Sleep. 2009 Feb;32(2):150-7.

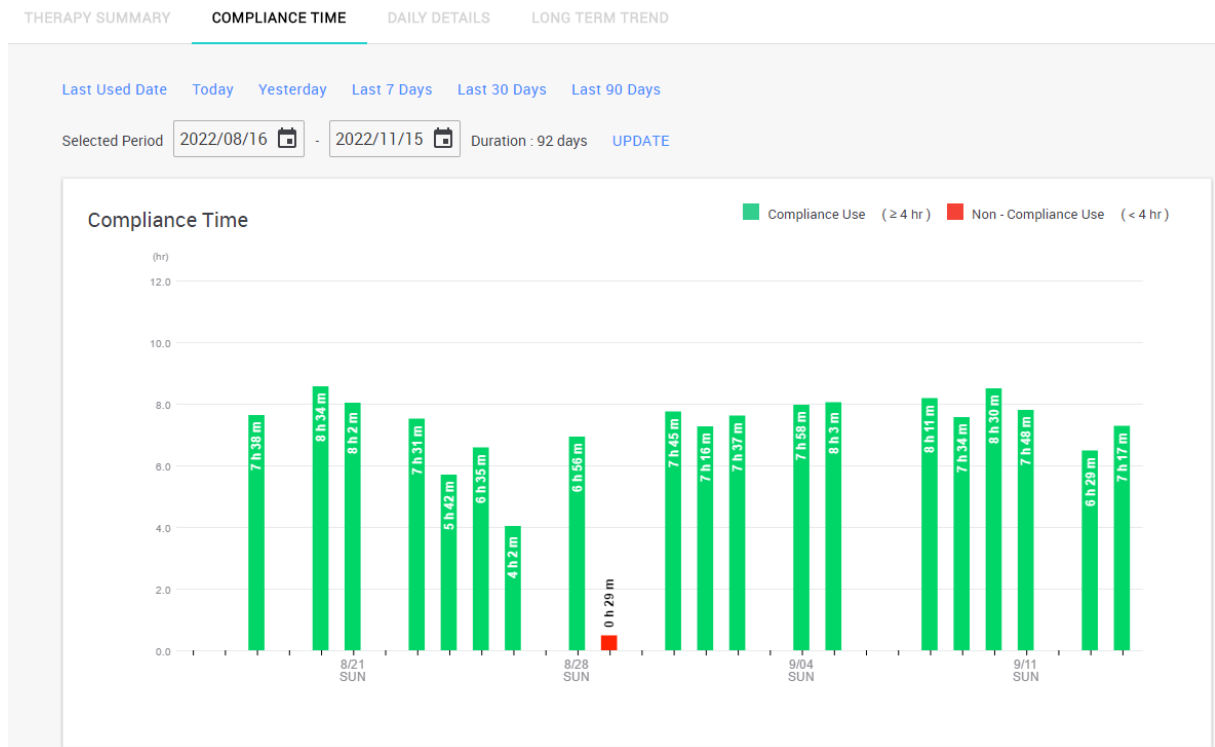
<sup>2</sup> Vishesh K. Kapur, MD, MPH,1 Dennis H. Auckley, MD,2 Susmita Chowdhuri, MD,3 David C. Kuhlmann, MD,4 Reena Mehra, MD, MS,5 Kannan Ramar, MBBS, MD,6 and Christopher G. Harrod, MS Clinical Practice Guideline for Diagnostic Testing for Adult Obstructive Sleep Apnea: An American Academy of Sleep Medicine Clinical Practice Guideline. J Clin Sleep Med. 2017 Mar 15; 13(3): 479–504.

<sup>3</sup> Berry RB, Budhiraja R, Gottlieb DJ et al: Rules for scoring respiratory events in sleep: update of the 2007 AASM Manual for the Scoring of Sleep and Associated Events. Deliberations of the Sleep Apnea Definitions Task Force of the American Academy of Sleep Medicine. J Clin Sleep Med 2012; 8: 597-619.

- ✓ **Pressure:** Average air pressure (cmH20)
- ✓ **90<sup>th</sup> Percentile Pressure:** To sequence the applied air pressure from low to high, the one at the 90th.
- ✓ **Leaks** (lpm)
- ✓ **Large Leak Time** (min)
- ✓ **Compliance rate** (Note: The default setting is 4 hours/day.)

## 7.2. Compliance time

- (1). Select the time span to retrieve the data in the period.
- (2). There are two sessions:
  - a. Compliance time: the cumulated operating time for the device deducted large leak time.
  - b. Usage time: shows the times during the day that the device was operating.
- (3). The compliance status-quo is shown in a bar chart and the details are displayed in the tables below. The compliance use hour range is shown in green. The non-compliance use hour range is shown in red.
- (4). Move the cursor onto the bar and view the detailed time of the usage hours.







Usage Days			Usage Hours		Compliance		
Selected Days			Average Usage (Days Used)		Usage Hours	Percentage	Number of Days
	Used	Not Used					
Number of Days	56 days	36 days	Average Usage (Total Days)				
Weekly Average	4.3 days	2.7 days	Longest Period				
Usage Percentage	60.9 %	39.1 %	Shortest Period				
			Total Hours				



(3). Move the mouse horizontally to view more details.



(4). “Events Under Each Pressure Setting” and “Events” are listed in tables.

**Events by Pressure**

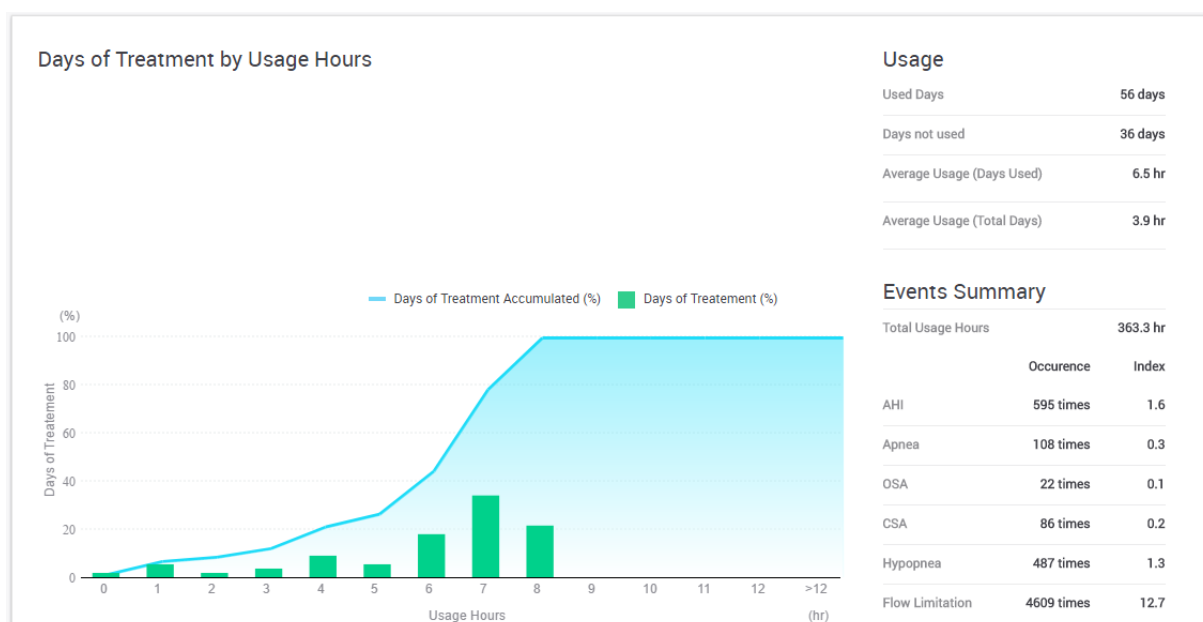
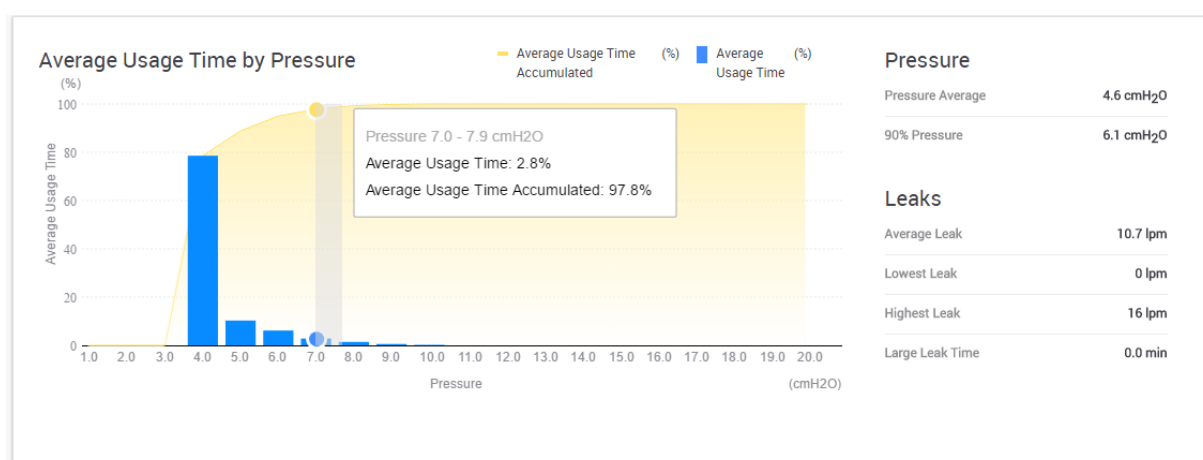
Pressure	Usage Hours	Apnea	Hypopnea	Flow Limitation
4.0~4.9 cmH <sub>2</sub> O	285.5 hr	0.3	0.9	7.9
5.0~5.9 cmH <sub>2</sub> O	37.3 hr	0.4	3.2	29.9
6.0~6.9 cmH <sub>2</sub> O	22.3 hr	0.4	2.2	31.4
7.0~7.9 cmH <sub>2</sub> O	10.3 hr	0.6	2.7	28.9
8.0~8.9 cmH <sub>2</sub> O	5.1 hr	1.0	2.5	28.4
9.0~9.9 cmH <sub>2</sub> O	2.0 hr	0.0	3.0	29.5
10.0~10.9 cmH <sub>2</sub> O	0.7 hr	0.0	7.1	42.9
11.0~11.9 cmH <sub>2</sub> O	-	-	-	-
12.0~12.9 cmH <sub>2</sub> O	-	-	-	-
13.0~13.9 cmH <sub>2</sub> O	-	-	-	-
14.0~14.9 cmH <sub>2</sub> O	-	-	-	-
15.0~15.9 cmH <sub>2</sub> O	-	-	-	-
16.0~16.9 cmH <sub>2</sub> O	-	-	-	-

**Events Summary**

Therapy Sessions	65 times	
Total Usage Hours	363.3 hr	
	Occurrence	Index
AHI	595 times	1.6
Apnea	108 times	0.3
OSA	22 times	0.1
CSA	86 times	0.2
Hypopnea	487 times	1.3
Flow Limitation	4609 times	12.7

## 7.4. Long Term Trend

- (1). Select the time span to retrieve the data in the period.
- (2). The Long Term Trend includes 3 charts:
  - a. “Pressure & Leak”
  - b. “Average Usage Time by Pressure”
  - c. “Days of Treatment by Usage Hours”



## 8. Create Report

(1). Click the plus button on “USAGE” page.

SleepWell Reader

READER PATIENTS SETTINGS HELP

← PROFILE USAGE

EFFICACY STATISTIC COMPLIANCE TIME DAILY DETAILS LONG TERM TREND

Latest Today Yesterday 7 Days 30 Days 90 Days

Date: 2021/11/21 - 2022/02/20 Duration: 92 days UPDATE

Efficacy Statistic  
Patient compliance details

Average

AHI	3.2
Apnea	0.4
OSA	0.4
CSA	0.0
Hypopnea	2.7
Pressure	5 cmH2O

(2). Click “CREATE REPORT”

SleepWell Reader

READER PATIENTS SETTINGS HELP

← PROFILE USAGE

EFFICACY STATISTIC COMPLIANCE TIME DAILY DETAILS LONG TERM TREND

Latest Today Yesterday 7 Days 30 Days 90 Days

Date: 2021/11/21 - 2022/02/20 Duration: 92 days UPDATE

Efficacy Statistic  
Patient compliance details

Average

AHI	3.2
-----	-----

CREATE REPORT

XT IX

(3). Configure preferred report type and duration respectively and then hit “PREVIEW”.

SleepWell Reader

READER PATIENTS SETTINGS HELP

← Test Cindy PROFILE USAGE

THERAPY SUMMARY COMPLIANCE TIME DAILY DETAILS LONG TERM TREND

Last Used Date Today Yesterday

Selected Period 2022/06/12

Therapy Summary  
Patient's outcome details

Create Report

THERAPY SUMMARY

2022/06/12 - 2022/07/12

You can select a maximum of 90 days.

Add Report Type

☒ COMPLIANCE TIME  
2022/06/12 - 2022/07/12

☒ DAILY DETAILS  
2022/06/12 - 2022/07/12

Attention, the longer you select, the longer it takes to load.

CANCEL PREVIEW

Pressure 7 cmH2O

90% Pressure 9.9 cmH2O

Leaks 10.7 lpm

(4). Print or save report after preview.

Test Cindy



SleepWell Track

Page 1 of 8

2022/06/12 ~ 2022/07/12

Patient ID

--

DOB

1996/09/18 (26)

Gender

Female

Phone

Email

Physician

## THERAPY SUMMARY 2022/06/12 ~ 2022/07/12

Average AHI

0.6

Average Pressure

7.0 cmH<sub>2</sub>O

Average Leak

10.7 lpm

Compliance (≥ 4 hours)

6.5%

Average Usage (Days Used)

5.9 hr

### Statistic Averages

AHI	0.6
Hypopnea	0.4
Apnea	0.2
OSA	0.1
CSA	0.1

Pressure	7.0 cmH <sub>2</sub> O
90% Pressure	9.9 cmH <sub>2</sub> O
Leaks	10.7 lpm
Large Leak Time	2.0 min

### Compliance

Usage Hours	Percentage	Number of Days
≥4 hours	6.5%	2 days
<4 hours	93.5%	29 days

### Device Info

Type	iX Auto
Device ID	000000320200300026
Setup Date	2022/09/01

### Device Settings

Last Update	2022/07/12	PVA Level	Off
Mode	APAP		
Maximum Pressure	11 cmH <sub>2</sub> O		
Minimum Pressure	4 cmH <sub>2</sub> O		

### Usage Time

#### Usage Days

Selected Days	31 days	
	Used	Not Used
Number of Days	2 days	29 days
Weekly Average	0.5 days	6.5 days
Usage Percentage	6.5%	93.5%

#### Usage Hours

Average Usage (Days Used)	5.9 hr
Average Usage (Total Days)	0.4 hr
Longest Period	6.7 hr
Shortest Period	5.1 hr
Total Hours	11.8 hr

(5).

## 9. Prescription

### 9.1. View the latest prescription setting

(6). Open "PROFILE" and go to "PRESCRIPTION" after the treatment data is imported.


SleepWell Reader

READER PATIENTS SETTING HELP

← Wen Wang PROFILE USAGE

BASIC INFO PRESCRIPTION

Device



Device IX Auto

Device ID 225002103126700014

SETUP DATE 2022/01/20

Update Date 2022/05/23

iX Auto Settings

Mode	APAP
Ramp Time (min)	5
Ramp Starting Pressure	4
Maximum Pressure	7
Minimum Pressure	4
PVA	Off

## 9.2. Export prescription setting

(1). Click edit .


SleepWell Reader

READER PATIENTS SETTING HELP

← Wen Wang PROFILE USAGE

BASIC INFO PRESCRIPTION

Device



Device IX

Device ID 225002103126700014

SETUP DATE 2022/01/20

Update Date 2022/05/23

Prescription Settings

Card Location

Settings can only be prescribed or changed by physicians.

CANCEL OPEN

Ramp Starting Pressure 4

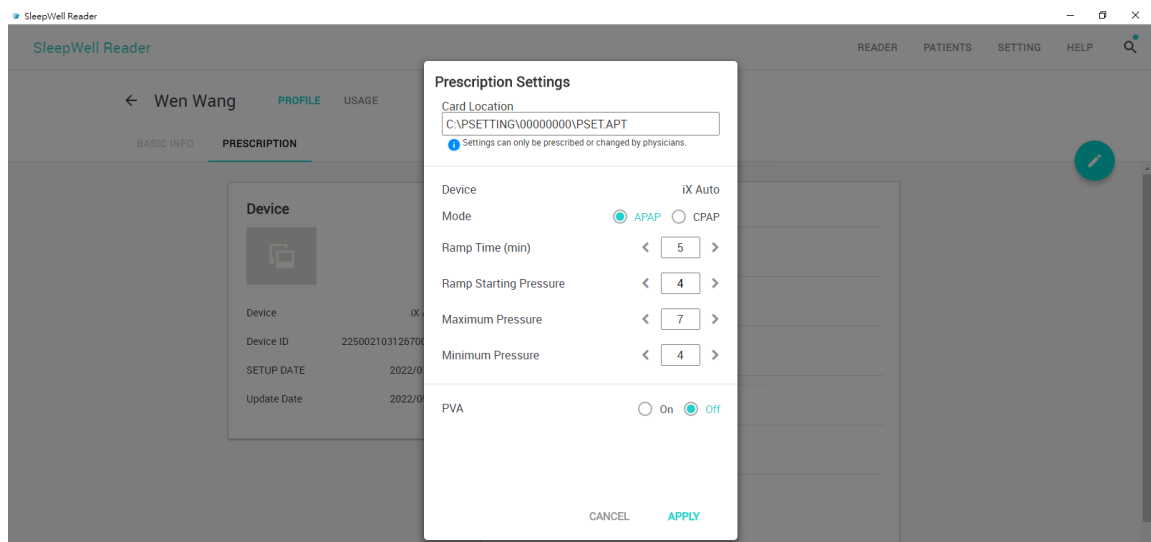
Maximum Pressure 7

Minimum Pressure 4

PVA Off


- (2). Open the file location.
- (3). Set the prescription then click “APPLY”.

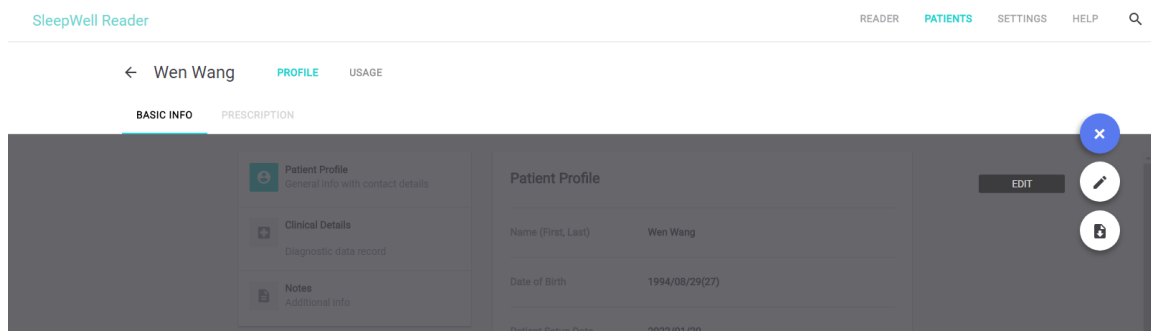
**⚠ Warning: Only physicians or doctors is authorized to change the prescription setting, unauthorized prescription might cause the hazard to patients.**



## 10. Patient profile


### 10.1. Edit

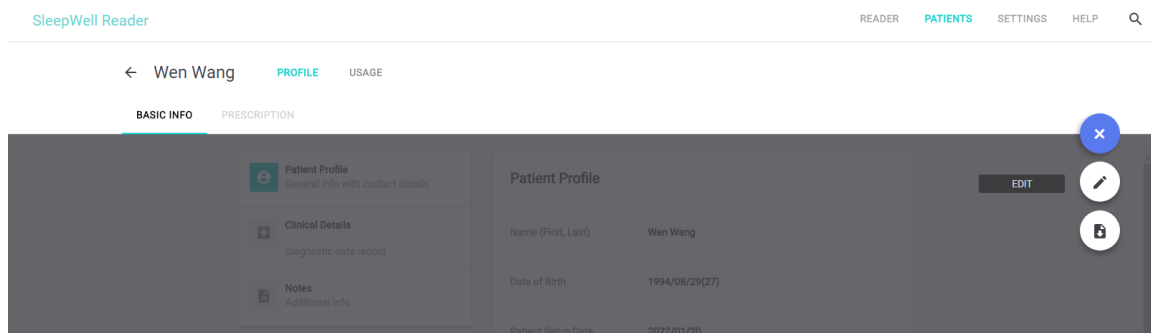
(1). Click the plus  button at “BASIC INFO”. Then choose “EDIT”.



(2). Save after edit.

### 10.2. Delete a patient

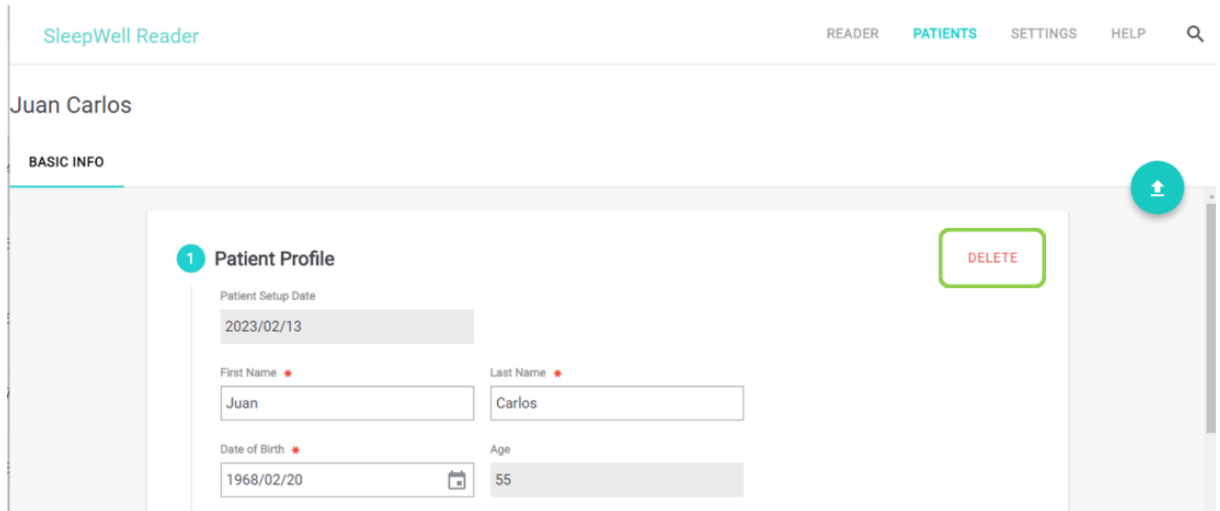
(1). Click the plus  button at “BASIC INFO”. Then choose “EDIT”.





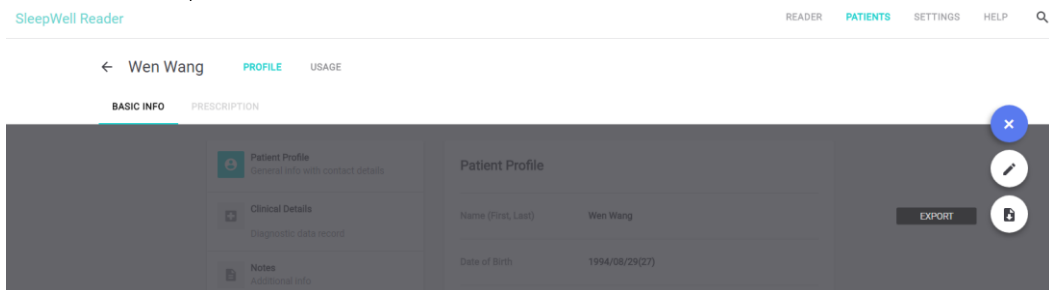
(2). Click “DELETE”.

⚠ Warning: Deleting the patient profile will remove all of the information. This cannot be recovered.

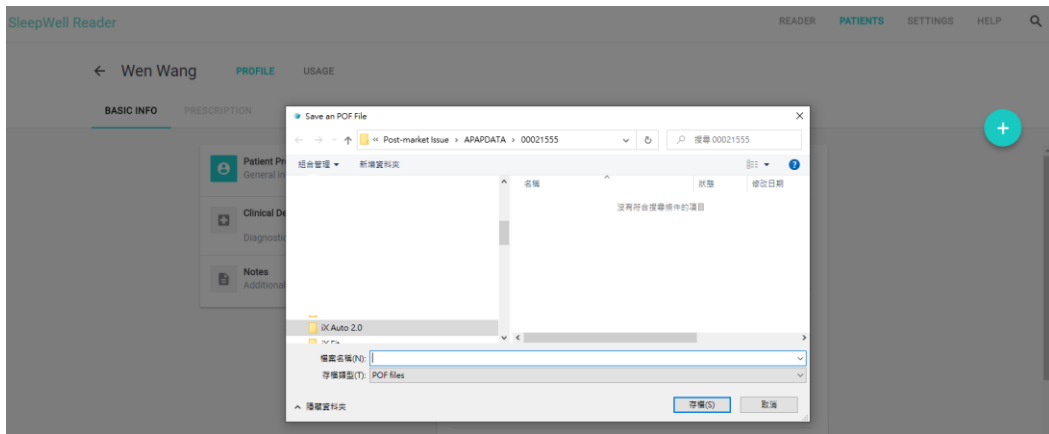


### 10.3. Export patient profile


(1). Click the plus button at “BASIC INFO”. Then choose EXPORT.



(2). Choose the location to save POF file.



### 10.4. Import patient profile

- (1). When you create a patient's profile, you can click upload  button to import the POF file you saved.

SleepWell Reader

READER PATIENTS SETTINGS HELP

New Patient

BASIC INFO

**1 Patient Profile**

Patient Setup Date  
2022/05/23


First Name \*  Last Name \*

Date of Birth \*  Age

Gender \*  
☐ Male ☐ Female ☐ Other

Medical Record No.  ID No.

☒ User defined number



## 11. Settings

### 11.1. Percentile Pressure

- (1). Type in the preferred percentile pressure, then hit UPDATE.

Setting

UPDATE

**Unit**  
☒ Metric ☐ Imperial

**Date:**  
☒ yyyy/mm/dd ☐ dd/mm/yyyy  
☐ mm/dd/yyyy

**Percentile Pressure**  
Percentile   
UPDATE

**JP** 日本語 **CN** 简体中文  
**FR** français **DE** Deutsche  
**ES** Español **IT** Italiano  
**PT** Português **NL** Nederlands

**Backup / Restore**  
BACKUP RESTORE

- (2). You can view the preferred percentile pressure in patient's usage.

← Wen Wang    PROFILE    **USAGE**

**EFFICACY STATISTIC**    COMPLIANCE TIME    DAILY DETAILS    LONG TERM TREND

AHI	6.4
Apnea	2.7
OSA	2.5
CSA	0.2
Hypopnea	3.7
Pressure	5.2 cmH2O
70th Percentile Pressure	6.2 cmH2O
Leak	11.3 lpm
Large Leak Time	0.4 min

## 11.2. Backup database

- (1). Backup the database of SleepWell Reader by clicking BACKUP

Setting

UPDATE

**Unit**

☒ Metric    ☐ Imperial

**Date:**

☒ yyyy/mm/dd    ☐ dd/mm/yyyy  
☐ mm/dd/yyyy

**Percentile Pressure**

Percentile

UPDATE

**JP** 日本語    **CN** 简体中文

**FR** français    **DE** Deutsche

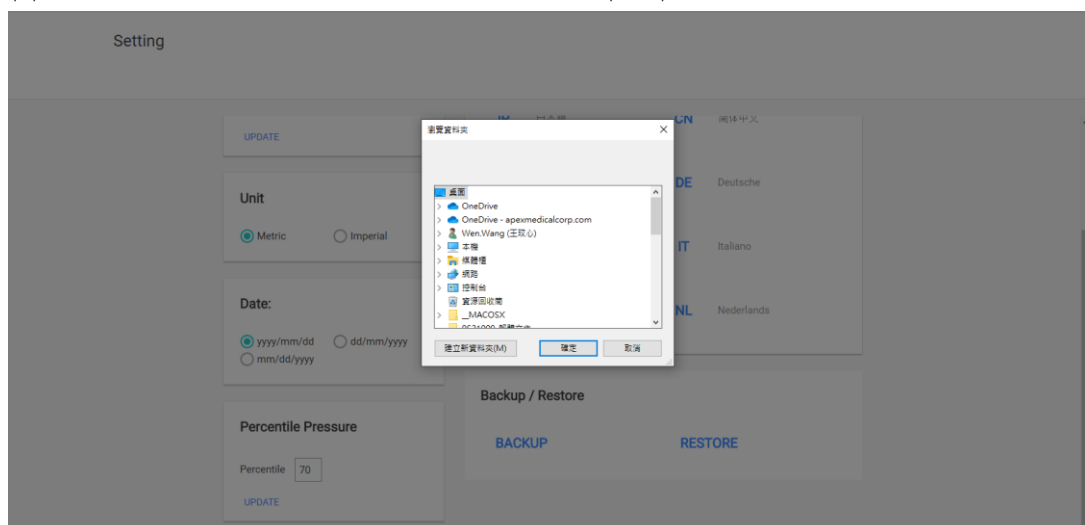
**ES** Español    **IT** Italiano

**PT** Português    **NL** Nederlands

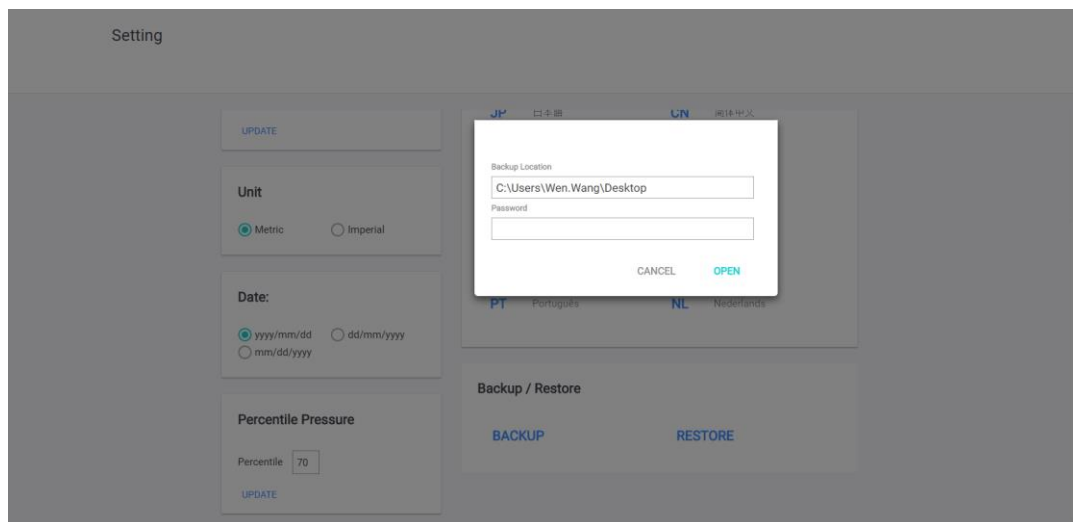
**Backup / Restore**

**BACKUP**    **RESTORE**

- (2). Choose the location to save database file (.sdf)

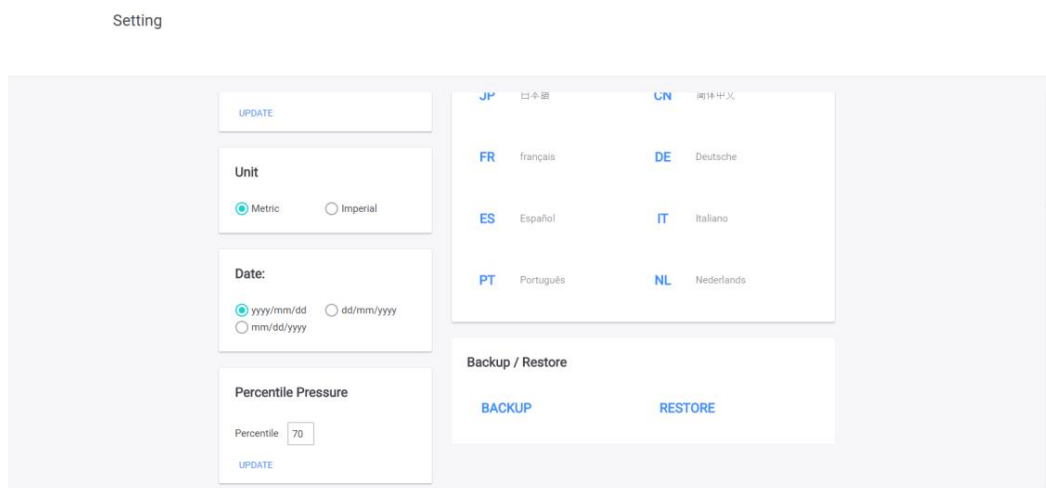


- (3). Set the password to protect the file, then hit OPEN.

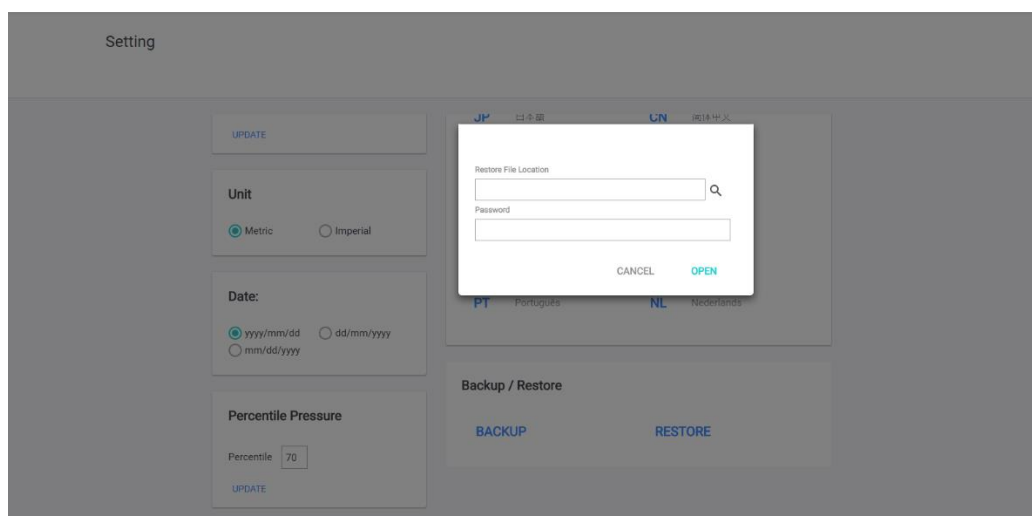


### 11.3. Restore database

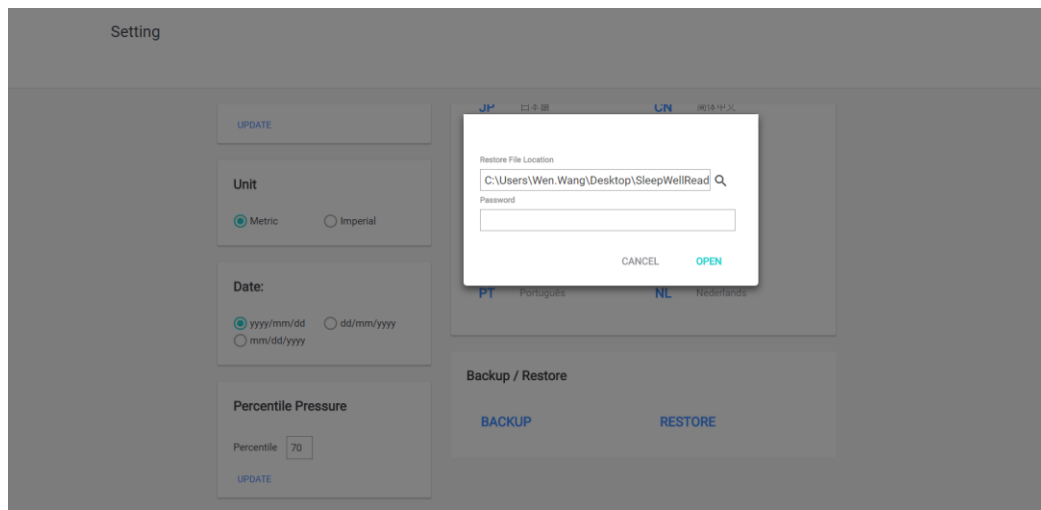
- (1). Restore the database by clicking RESTORE.



- (2). Choose the location where saved the database file by clicking .

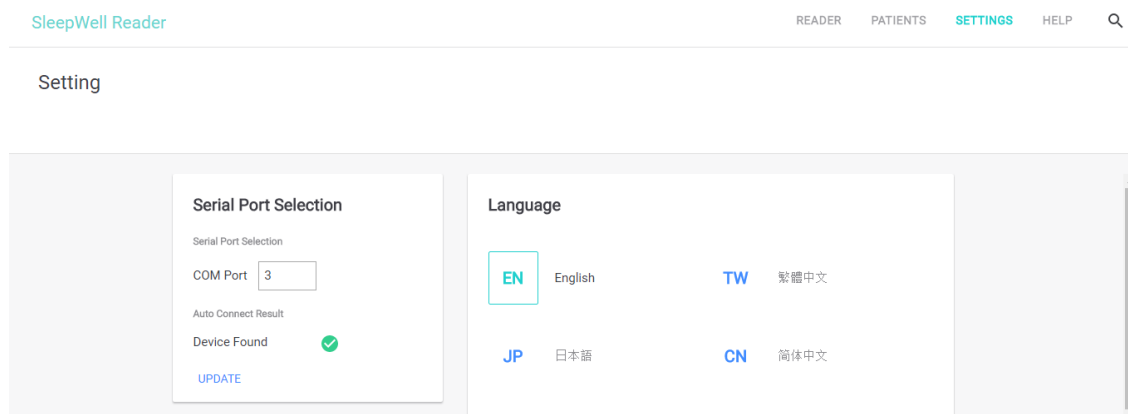


- (3). Type in the password then hit OPEN

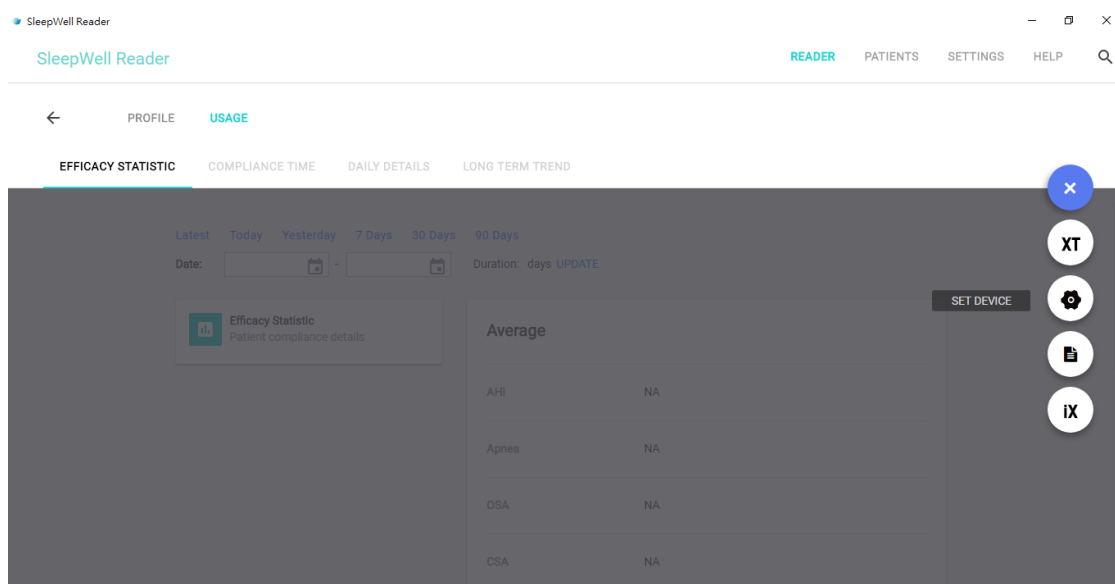


## 11.4. Set Device ID & Time

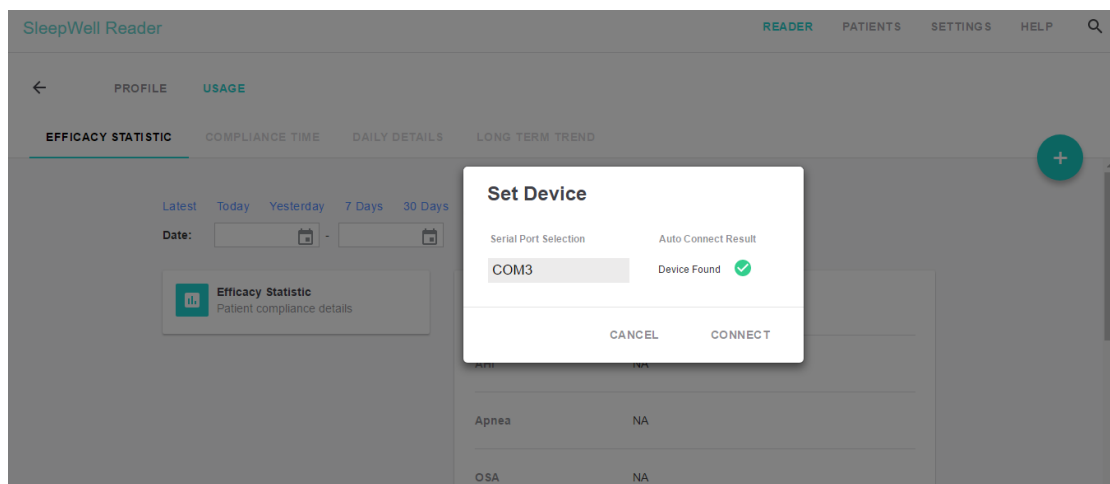
- (1). Connect the device with USB cable.
- (2). In the Setting tab, the auto connect result shows Device Found.



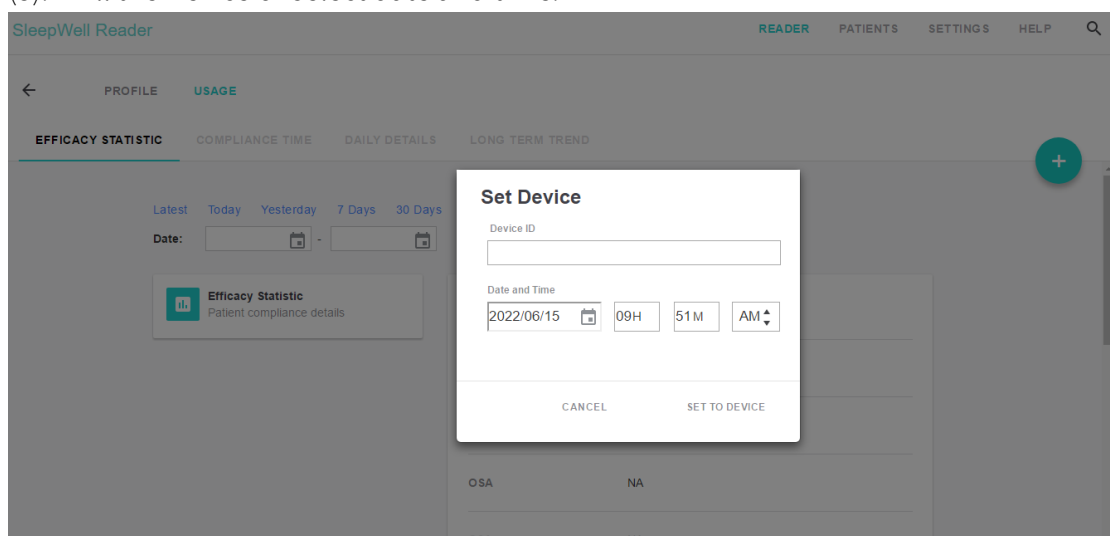
- (3). Start to set device time by clicking the plus  button at “SET DEVICE”.



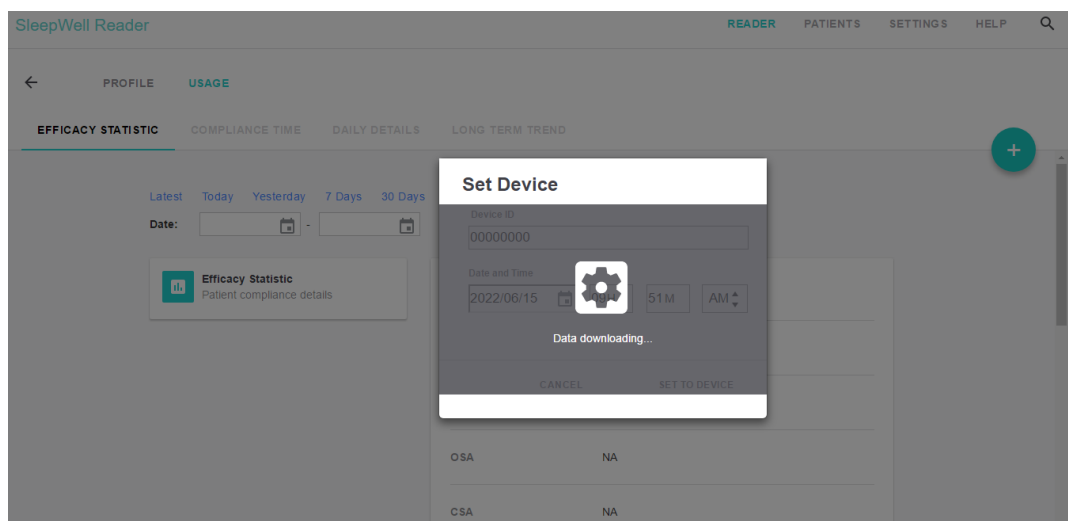
- (4). Click CONNECT.



(5). Fill the Device or select date and time.



(6). Click SET TO DEVICE.



(7). Device ID & time are updated to the machine.

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# SleepWell Track

Simplify CPAP patient care management and self-monitoring

User Manual

Version 2.0

Software version: V2.1.2

Version History:

Ver.	Revision Date	Revised Content	Note
1.0	2023/3/21		
2.0	2023/8/24	Added editing binding date function instruction	




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# 1. Introduction

This user manual is related to the SleepWell Track web service. SleepWell Track is intended to use with Wellell Medical CPAP devices that includes data transfer technology. It can collect real-time data including patient's usage and therapy related information from the CPAP devices.

SleepWell Track allows care providers to manage their patients in a single platform and customize overviews to assess patients' compliance, identify issues, and deliver data-driven interventions efficiently.

 **Note:** Mainly follow the instructions instead of only looking at the webpage screenshots in this document since they are taken using a distributor's account and may be different from what are displayed under other roles' account.

## 1.1. Recommended Browsers

- Google Chrome (latest version)

## 1.2. Support Products

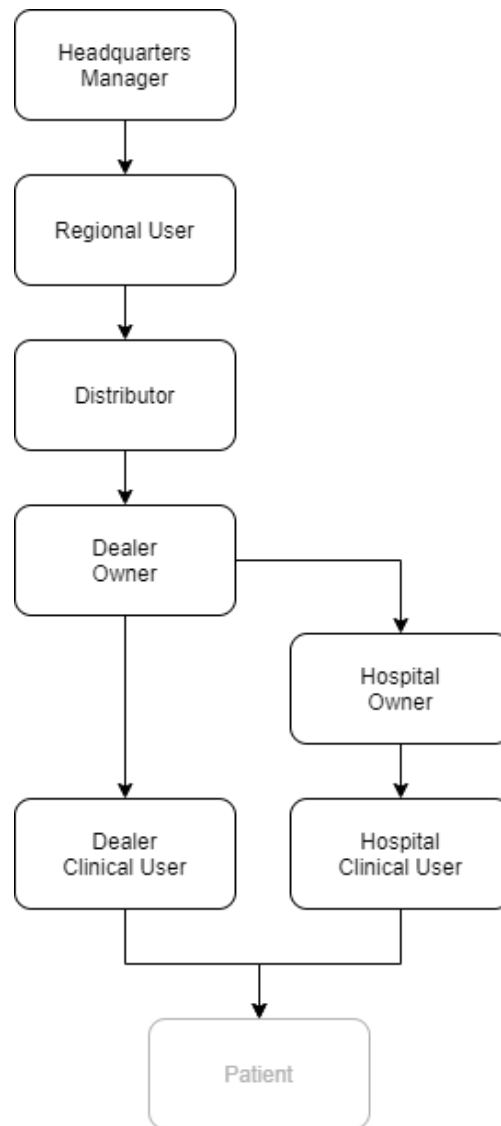
The following products are compatible to SleepWell Track:

- iX Auto
- iX Sense
- XT Auto (firmware version 6.0 or higher)

# 2. Role and Permission

SleepWell Track offers suitable information and function for different roles in the hierarchy. Here is the hierarchy of SleepWell Track account role. Every role can create the account for users within its lower tiers. For example, Distributors can create dealer's accounts, hospital's accounts, and clinical users' accounts.

## 2.1. Role



## 2.2. Function of each role

See below for role functions:

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# Wellell

Main Page	Function		Sub-function	Distributor	Dealer	Clinical User (Dealer)	Hospital	Clinical User (Hospital)
Welcome Page				Patients	Patients	Newsfeed	Patients	Newsfeed
Newsfeed	Therapy			X	X	V	X	V
	Device&Kit			X	X	V	X	X
Customer Request				X	X	V	X	V
Application				V	V	V	V	V
Patients	Search Patients			V	V	V	V	V
	Add New Patients			V	V	V	V	V
	Delete Patient			V	V	V	V	V
System	DME-Management	Dealer Product Maintenance		V	V(View only)	X	X	X
	User Management	Dealer Management		V	X	X	X	X
		Hospital Management		V	V	X	X	X
		Clinical User Management		V	V	X	V	X
		Permit Patients	Regional user	V	V	X	V	X
			Distributor	N/A	V	X	V	X
			Dealer	N/A	N/A	X	V	X
Patient Detail	Usage	Efficacy Statistics		V	V	V	V	V
		Compliance Time		V	V	V	V	V
		Daily Details		V	V	V	V	V
		Long Term Trend		V	V	V	V	V
	Profile	Basic Info		V	V	V	V	V
		Prescription		V	V	V	V	V
		Supply		V	V	V	V	X
		History		V	V	V	V	V

## 2.3. Authorization of patient management

Function		Distributor	Dealer	Clinical User (Dealer)	Hospital	Clinical User (Hospital)
Edit Patient	Direct service patient	V	V	V	V	V
	Patient permitted by dealer	X	N/A	N/A	N/A	N/A
	Patient permitted by hospital	X	X	N/A	N/A	N/A
Delete patient	Direct service patient	V	V	Need approval	V	Need approval
	Patient permitted by dealer	X	N/A	N/A	N/A	N/A
	Patient permitted by hospital	X	X	N/A	N/A	N/A
View Patient	Direct service patient	Full info.	Full info.	Full info.	Full info.	Full info.
	Patient permitted by dealer	De-identification	N/A	N/A	N/A	N/A
	Patient permitted by hospital	De-identification	De-identification	N/A	N/A	N/A

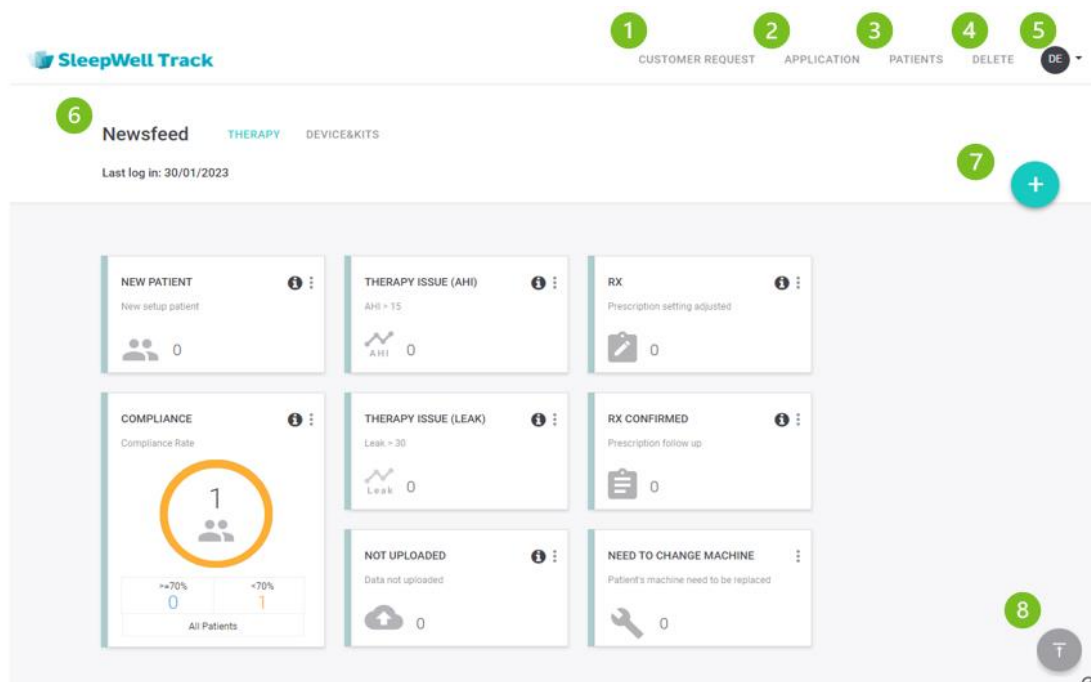
## 3. User Interface (Distributor, dealer, & hospital roles only)



The screenshot displays the SleepWell Track application interface. At the top, there is a navigation bar with five tabs: 1. APPLICATION, 2. PATIENTS (selected), 3. DELETE, 4. SYSTEM, and 5. DE (dropdown). Below the navigation bar, the 'Patients' section is visible. It includes a search bar with a dropdown for 'Last Name' and a 'SEARCH' button. Below the search bar, there are filters for 'Periods Days: 03/01/2023 ~ 01/02/2023' and 'Duration: 30 days'. A pagination bar shows '1-17 of 17 patients' and a dropdown for '25 / Page'. Below the pagination bar, there is a table with columns: Patient's Name, Compliance Rate, Device ID, Dealer, and Hospital. The table contains three rows of patient data.

Patient's Name	Compliance Rate	Device ID	Dealer	Hospital
*** AAA	-	123456789123456787	DEMO USE Dealer	DEMO USE Hospital
*** Chang	-		DEMO USE Dealer	Change Status
*** Chang	-		DEMO USE Dealer	DEMO USE Hospital

1. **APPLICATION**– displays the list of new patient applications which were established through **online** Privacy Policy & Terms of Service consent process. User can accept or deny the applications under this tab.
2. **PATIENTS** – displays the list of all patients that the user created or is authorized to view by belonging dealers or hospitals. User can access the patient's profile and usage of CPAP under this tab.
3. **DELETE** – displays the list of deletion request and deletion history.
4. **SYSTEM** – contains DME system management, user management, and review management.
5. **LOG-IN USER MENU** – provides access to My Profile, Notification and Language Settings, Privacy Policy, Terms of Service, and Service code. User can sign out here.

## 4. User Interface (Clinical users only)



1. **CUSTOMER REQUEST** – displays the list of your patient request which were sent from SleepWell APP.
2. **APPLICATION** – displays the list of new patient applications which were established through **online** Privacy Policy & Terms of Service consent process. User can accept or deny the applications under this tab.
3. **DELETE** – displays the list of deletion request and deletion history.
4. **PATIENTS** – displays the list of all patients that the user created or is authorized to view by belonging dealers or hospitals. User can access the patient's profile and usage of CPAP under this tab.
5. **LOG-IN USER MENU** – provides access to My Profile, Notification and Language Settings, Privacy Policy, Terms of Service, and Service code. User can sign out here.
6. **Newsfeed** -
  - ✓ **THERAPY** – provides the filter cards to highlight the patients who potentially have compliance or treatment issue.
  - ✓ **DEVICE&KITS** – provides the filter cards to highlight the patients who need device or kits replacement. (Dealer's clinical user role only)
7.  - creates the new filter cards.
8.  - a walkthrough of the newsfeed page. Click "Get Started" to start using.

## 5. Patient's Account Management

### 5.1. Create new patient

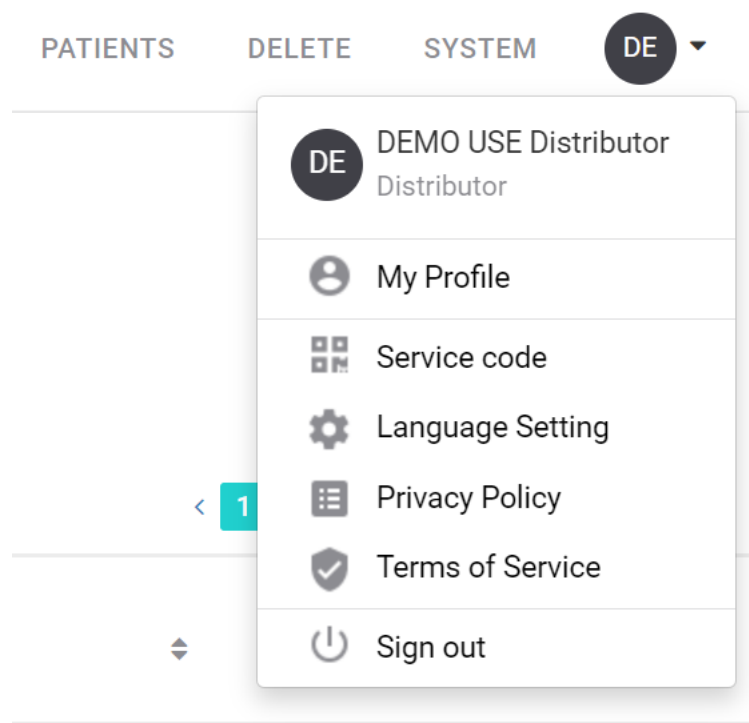
SleepWell Track follows GDPR and the related law regulating personal information collection and use. The system requires the user to follow below steps to assist the patient to understand what information is collected and the purpose of use from SleepWell Track. The user should confirm the patient's need to recommend suitable products.

#### Step 1. Confirm the patient's need of using IoT service.

- (1). Confirm the recipient of doctor's prescription from the patient.
- (2). Ask the patient if IoT service is needed and inform the patient this service will collect personal information. If the patient confirms the need of IoT service, the user should ask again if the patient agrees to provide personal information:
  - Agree: Recommend IoT products and continue with the following steps.
  - Disagree: Recommend non-IoT products and stop here.

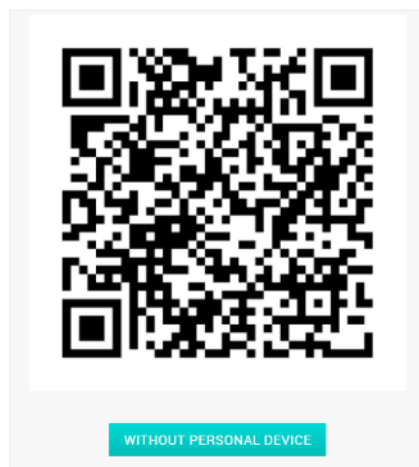
#### Step 2. Get consent of Privacy Policy & Terms of Service.

- (1). Click Log-in User Menu > Service code



- (2). Let the patient access the Privacy Policy & Term of Service page
  - With mobile device: Scan QR code to access.

- Without mobile device: Click “Without Personal Device” and show the page on the user’s device



- (3). The patient read and consent the Privacy Policy & Terms of Service.

STEP1

Privacy Policy & Terms of Service

Privacy Policy

Terms of Service

### SleepWell Digital Service - Privacy Policy

Last Updated: January 11, 2022

#### 1. Introduction

A. Wellell Group, referring to Wellell Inc. and the affiliates and subsidiaries within this group (collectively, "Wellell" or "we"), respects your privacy and is committed in protecting your personal and medical information. Wellell may collect, process, make use and maintain the information you provide to us through your use of Wellell's services: SleepWell Track (web service), SleepWell (app), SleepWell Reader (pc software) and internet-connected products (collectively, "Service"). This SleepWell Digital Service - Privacy Policy ("Privacy Policy") tells you the basic information about personal information you provide to us.

B. If you do not want Wellell to process any of your personal or medical information through the Service, please do not install or use the Service.

#### 2. Information Collection

☐ I consent Wellell (defined in the Privacy Policy) use my personal information to analyze and/or compile statistics to study and/or develop new Service; and/or

☐ I consent Wellell (defined in the Privacy Policy) use my personal information to contact me for marketing purpose, such as delivering advertisements, promotional messages, notices and other information related to the Service and my interests.

I consent to all the SleepWell Digital Service [Privacy Policy](#) and [Terms of Service](#).

REJECT

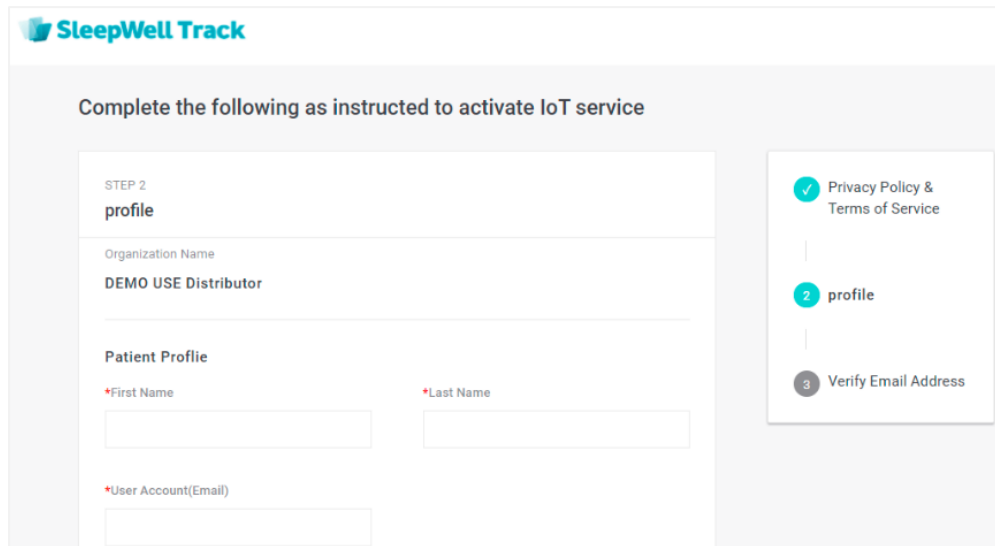
CONSENT

- (4). If the patient rejects, the IoT service will not be provided to the patient.

Step 3. Fill in patient's profile.



- (1). Fill in the patient's information. A valid e-mail address is required as user the account name and for account verification use.



**SleepWell Track**

Complete the following as instructed to activate IoT service

**STEP 2**  
**profile**

Organization Name  
**DEMO USE Distributor**

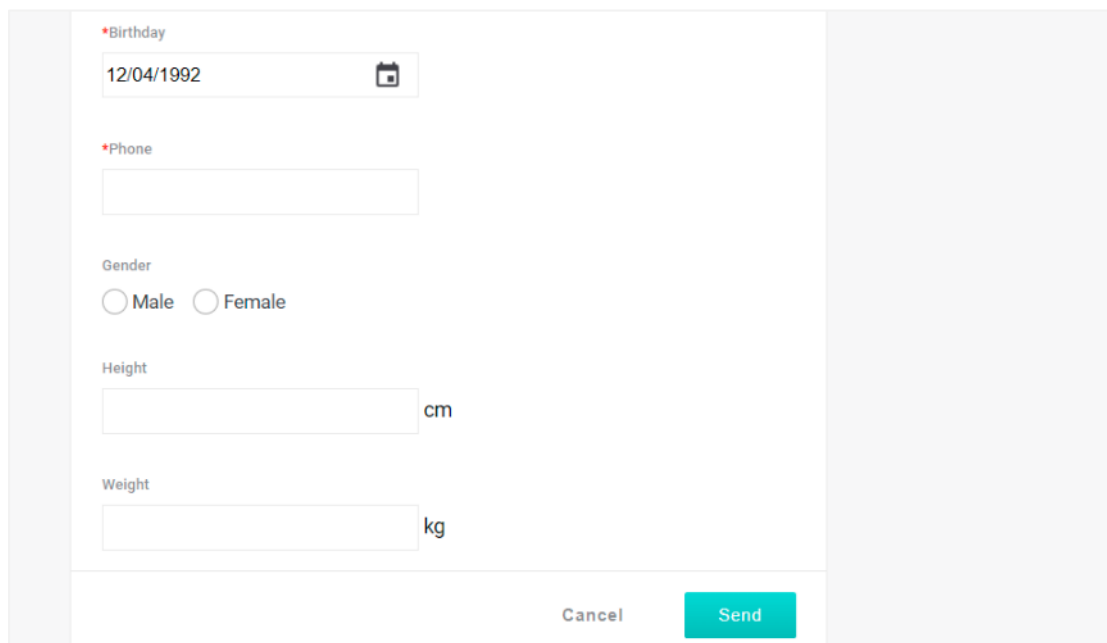
**Patient Profile**


\*First Name  \*Last Name

\*User Account(Email)

Progress bar:

- 1 Privacy Policy & Terms of Service
- 2 profile
- 3 Verify Email Address



\*Birthday  

\*Phone

Gender  
☐ Male ☐ Female

Height  cm

Weight  kg

Buttons: Cancel Send

- (2). Click “Send” when the form is completed. The system will then send a verification mail to the email filled in user account.

**SleepWell Track**

Complete the following as instructed to activate IoT service

**STEP 3**  
**Verify Email Address**

To verify your mail, we've sent an email to  
**tijawe3761@upsdom.com**

If you don't see it, you may need to check your spam folder.

Still can't find the email?  
Please click the bottom right button to resend an email.

**BACK** **Send, re-send?**

✓ Privacy and Terms  
✓ Profile  
3 Verify Email Address

- (3). Check the patient's e-mail box for the verification mail.

**SleepWell Track**

**Hello!**

Please click the button below to verify your mail address.

**VERIFY EMAIL ADDRESS**

Regards.  
Wellell

- (4). Click "VERIFY EMAIL ADDRESS" to complete the profile establishment.

**SleepWell Track**

**IoT service activation has been completed**

Thank you!

We have successfully verified your mail address

You can now contact your clinical user to start to create your patient account

- (5). After the new patient is created, the APPLICATION icon will turn red and show how many applications to be reviewed. Open APPLICATION tab to see all applications.

**SleepWell Track**

**APPLICATION 1** PATIENTS DELETE 1 SYSTEM DE

**APPLICATION**

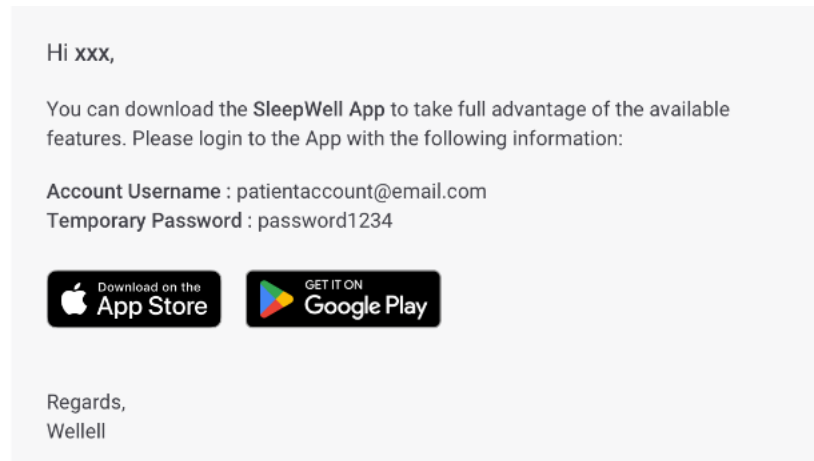
1-1 of 1 patients

< 1 > 25 / Page

Patient's Name	Date of Birth	Phone	Create time	
aaaaaa aaaaa	08/12/1992		08/12/2022	Accept DECLIN

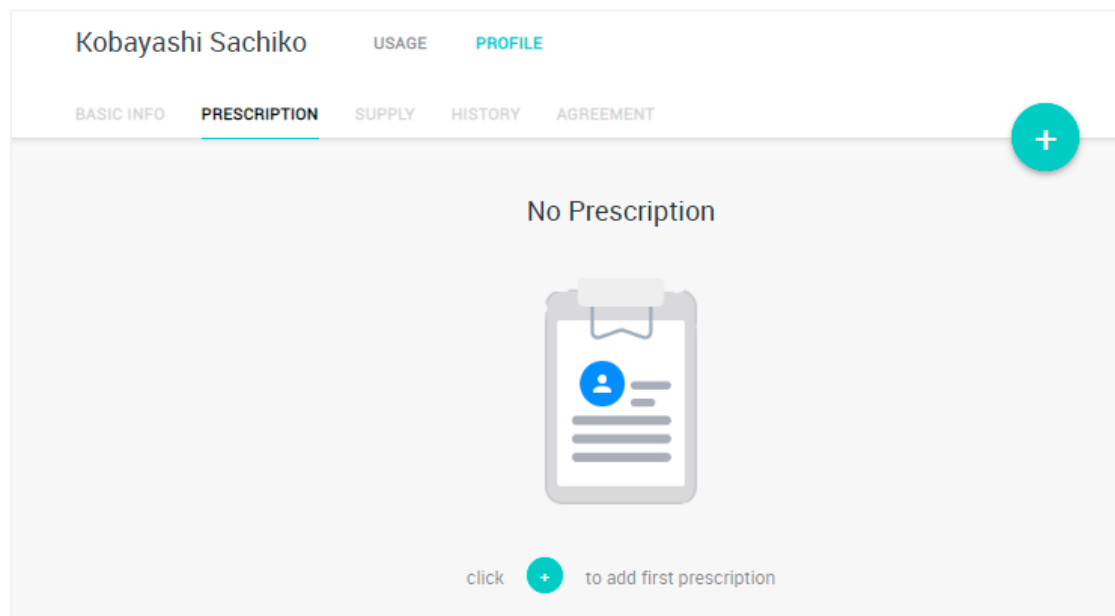
- (6). Check the patient's profile and click ACCEPT or DENY. If ACCEPT, the patient's information will be shown under "PATIENTS" tab. If DENY, the application will be removed.
- (7). After the user accepting the application. The system will send e-mail with the APP link and log-in credentials.

⚠ Note: It's recommended to encourage patients to download SleepWell app from iOS or Android app store to get full advantage of SleepWell service.



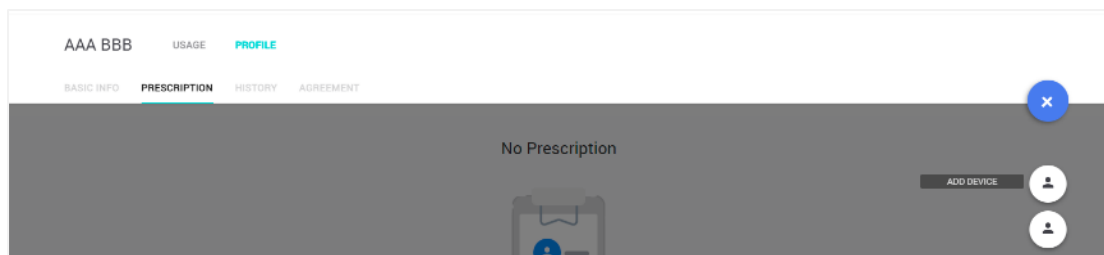
## 5.2. Add prescription

Open PROFILE > PRESCRIPTION. Click  button.

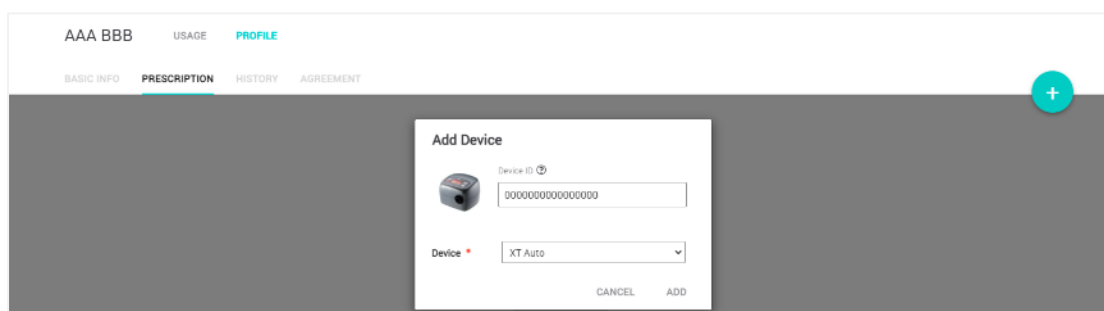
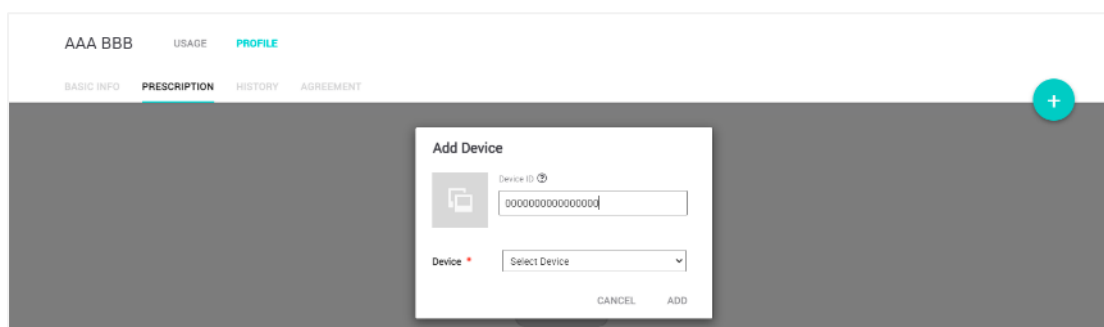


### Add Device

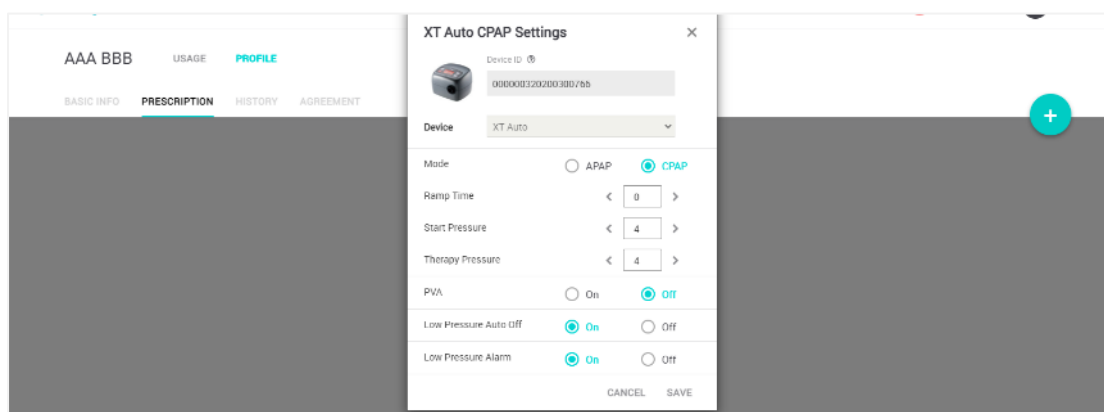
- (1). Click "ADD DEVICE" icon. It's necessary to add device to get the machine connected with SleepWell Track.



- (2). Key in Device ID (Please locate the 18-digit number under the QR code at the bottom of the machine) and select the device model. Click ADD.




- (3). Set up the device.



- (4). When it's all set. The prescription will show as below:

### Device



Device **XT Auto(Global)**

Device ID **313156789012345679**

Setup Date **2022/02/08**

Data Start Date ⓘ **2022/02/08**


### XT Auto(Global) Settings

Mode	APAP
Ramp Time	0
Start Pressure	0
Maximum Pressure	0
Minimum Pressure	0
PVA	Off
Low Pressure Alarm	Off

### Edit Device Binding Date

SleepWell will collect the treatment data since the “Data Start Date”. By default, the data start date is the same as “Setup Date”. The data start date can be up to 30 days before or after the setup date.

### Device



Device **XT Auto(Global)**

You can choose the date you want to retrieve treatment data from. The date can be up to 30 days before or after the setup date.


Data Start Date ⓘ **2022/02/08**

#### ⚠ Note:

- iX Auto: This function only applied with iX Auto firmware version: v1.1.6.0 or above.
- XT Auto: the SD card can save up to 13-day treatment data.

(1). Click ⓘ and select Edit.

Device



Replace

Edit

Remove

Device

XT Auto(Global)

Device ID

313156789012345679

Setup Date


2022/02/08

Data Start Date ⓘ

2022/02/08

(2). Edit the data start date, hit SAVE.

Device



Device

XT Auto(Global)

Device ID

313156789012345679

Setup Date

2022/02/08

Data Start Date


2022/02/02

SAVE

Cancel

(3). The data start date has been set to 2022/02/02. SleepWell Track will collect the treatment data from 2022/02/02.

Device



Device

XT Auto(Global)

Device ID

313156789012345679


Setup Date

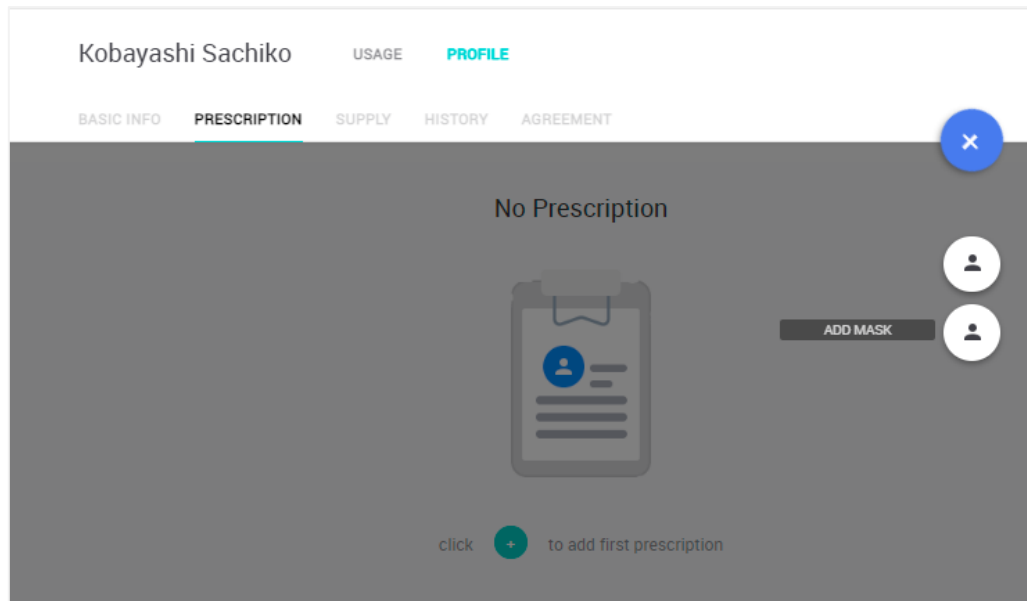
2022/02/08

Data Start Date ⓘ

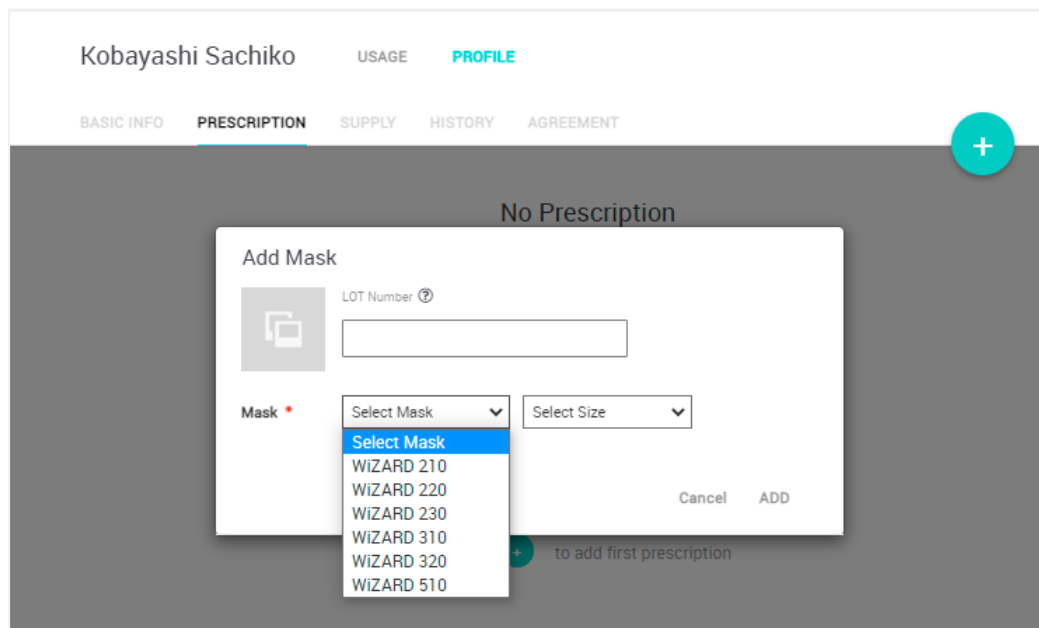
2022/02/02

Add Mask

- (1). Click  button and click “ADD MASK” button. It’s optional to set up mask used.





- (2). Key in the LOT Number of the mask and select the model’s name and size. Click ADD.



- (3). View the completed prescription.

Cindy Lee    USAGE    **PROFILE**


BASIC INFO    **PRESCRIPTION**    SUPPLY    HISTORY

Device	iX Auto Settings	Mask
		
Device: iX Auto	Mode: CPAP	Mask: WIZARD 210
Device ID: 000000320200300026	Ramp Time: 0	LOT Number: FN22009
Setup Date: 06/04/2022	Start Pressure: 4	Size: S
	Therapy Pressure: 4	Patient Setup Date: 12/04/2022
	PVA: Off	
	Auto On/Off: On	

### 5.3. Edit patient's profile


Under the patient's profile, user can edit the patient's basic information, prescription, and supply. All the changes are recorded under HISTORY tab.


#### 5.3.1. Edit patient's general information and clinical information.


- (1). Open BASIC INFO tab.
- (2). Click  to access edit page.

Cindy Lee    USAGE    **PROFILE**

**BASIC INFO**    PRESCRIPTION    SUPPLY    HISTORY

 **Patient Profile**  
General info with contact details

 **Clinical Details**  
Dealer and Clinic organization details

 **Note**  
Additional info

**Patient Profile**

Name(First,Last)    Cindy Lee

Date of Birth    21/02/1992 (30)

APP Account    PMtest026@a.com    [Resend invitation letter](#)

- (3). Edit patient's general information and clinical details. Once finished, click SAVE.



### Edit Patient

- BASIC INFORMATION
- PRESCRIPTION
- SUPPLY
- HISTORY
- AGREEMENT

**1 Patient Profile**

Patient Setup date  
21/02/2022

First Name \* Cindy Last Name \* Lee

User Account(Email) \* PMtest026@a.com

Date of Birth \* 21/02/1992

### 5.3.2. Reset the patient's password.

Open BASIC INFO tab > Patient Profile. Click CHANGE to reset the patient's password.

**BASIC INFO** PRESCRIPTION SUPPLY HISTORY

**Patient Profile**  
General info with contact details

**Clinical Details**  
Dealer and Clinic organization details

**Note**  
Additional info

**Patient Profile**

Name(First,Last) Cindy Lee

Date of Birth 21/02/1992 (30)

APP Account PMtest026@a.com [Resend invitation letter\(107\)](#)

APP Password \*\*\* [CHANGE](#)


### 5.3.3. Create note to record additional information.

(1). Open BASIC INFO tab > Note. Type the note in the blank bar under New Note.

After finished, click .

(2). The created note is shown below Notes Record with created date. Edit and delete note by clicking the button.

### 5.3.4. Delete patient.

- (1). Open BASIC INFO tab.
- (2). Click  to access edit page.
- (3). Click Delete. Clinical users need approval from the organization to delete patients.

**⚠ Note:** Deleting the patient profile will remove all of the information. This cannot be recovered. The device will also be unbound. The patient's SleepWell APP account will be unavailable.

- (4). Open DELETE tab to review deletion history.

- (5). Open DELETE tab to review pending delete request. Click the row of the patient and permit or decline the delete request. *(Only dealer and hospital users have this function.)*

**SleepWell Track** APPLICATION 1 PATIENTS DELETE 2 SYSTEM DE

DELETE REVIEW 2 HISTORY

To be reviewed and confirmed.

1-2 of 2 patients < 1 > 25 / Page

Patient's Name	Date of Birth	EEmail	Dealer Clinical User	Date of Apply Delete
Sophia Chang	14/12/1992	chkh1214@gmail.com	Virtual Test	02/02/2023
Sophia Chang	14/12/1992	Sophia.Chang@wellell.c	Virtual Test	02/02/2023

← Sophia Chang USAGE PROFILE

BASIC INFORMATION PRESCRIPTION SUPPLY HISTORY

**Patient Profile**  
General info with contact details

**Clinical Details**  
Dealer and Clinic organization details

**Note**  
Additional info

**Permit Delete Profile Request**

Clinical User Test Virtual requested to remove the profile on 02/02/2023. Permit the deletion?

PERMIT DECLINE

## 5.4. Edit prescription.

- (1). Open PRESCRIPTION tab.
- (2). On card Device and Mask, click to replace or remove device and mask

Cindy Lee USAGE PROFILE

BASIC INFO PRESCRIPTION SUPPLY HISTORY

**Device**

Replace  
Remove

Device **iX Auto**

Device ID **000000320200300026**

Setup Date **06/04/2022**

**iX Auto Settings**

Mode **CPAP**

Ramp Time **0**

Start Pressure **4**

Therapy Pressure **4**

PVA **Off**

Auto On/Off **On**


**Mask**

Mask **WIZARD 210**

LOT Number **FN22009**

Size **S**

Patient Setup Date **12/04/2022**

- (3). On card settings, click  to edit the parameter. Once finished, click SAVE.

### iX Auto Settings

Mode

☐ APAP
☒ CPAP

Ramp Time

<

0

>

Start Pressure

<

4

>

Therapy Pressure

<

4

>

PVA

☐ On
☒ Off

Auto On/Off

☒ On
☐ Off

Cancel


SAVE

## 5.5. Supply: Manage replacement schedule

 Note: Hospital clinical user role does not have this function.

- (1). Open SUPPLY tab and click  to add accessories.

BASIC INFO
PRESCRIPTION
SUPPLY
HISTORY



NEW

Device: iX Auto


⋮

Setup Date06/04/2022

Device ID000000320200300026

Replacement Schedule5 years

StatusNew Setup



NEW

Mask: WIZARD 210

⋮


Added12/04/2022

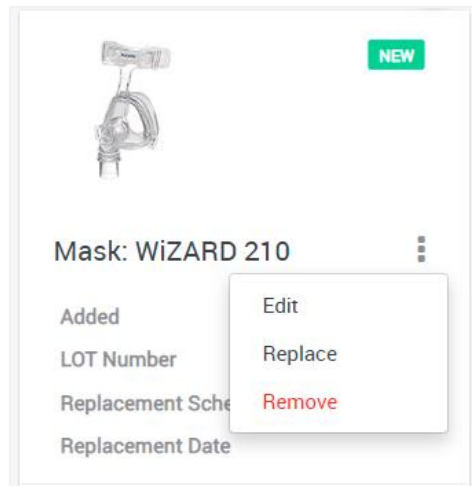
LOT NumberFN22009

Replacement ScheduleUnfollow

Replacement Date

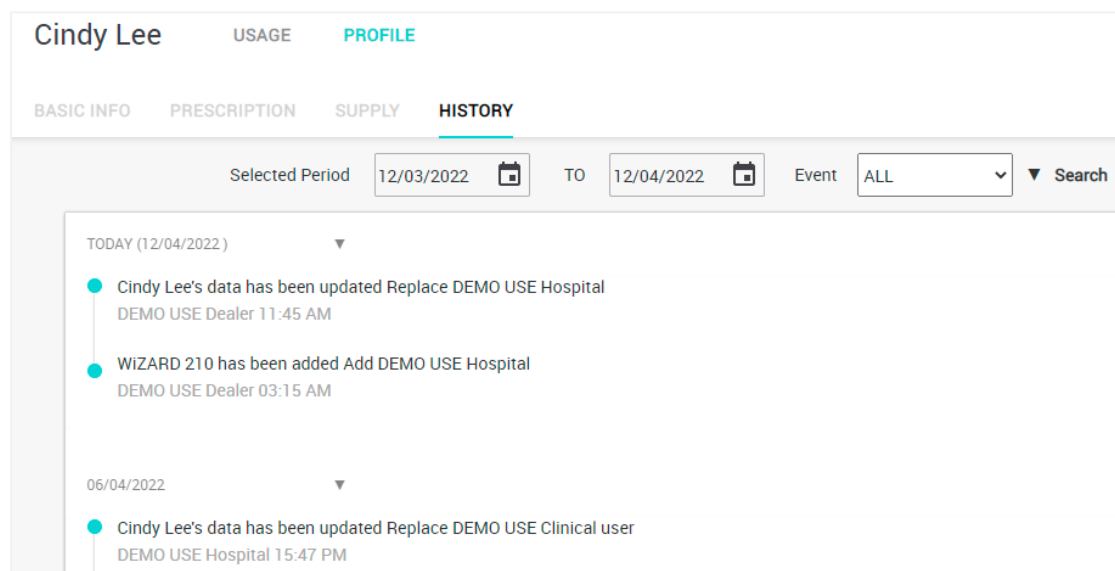
- (2). Click  to edit replacement schedule, replace, and remove the accessories.

 Device can't be replaced or removed under SUPPLY tab. It requires doctor's prescription to change and can be replaced or removed under PRESCRIPTION tab.



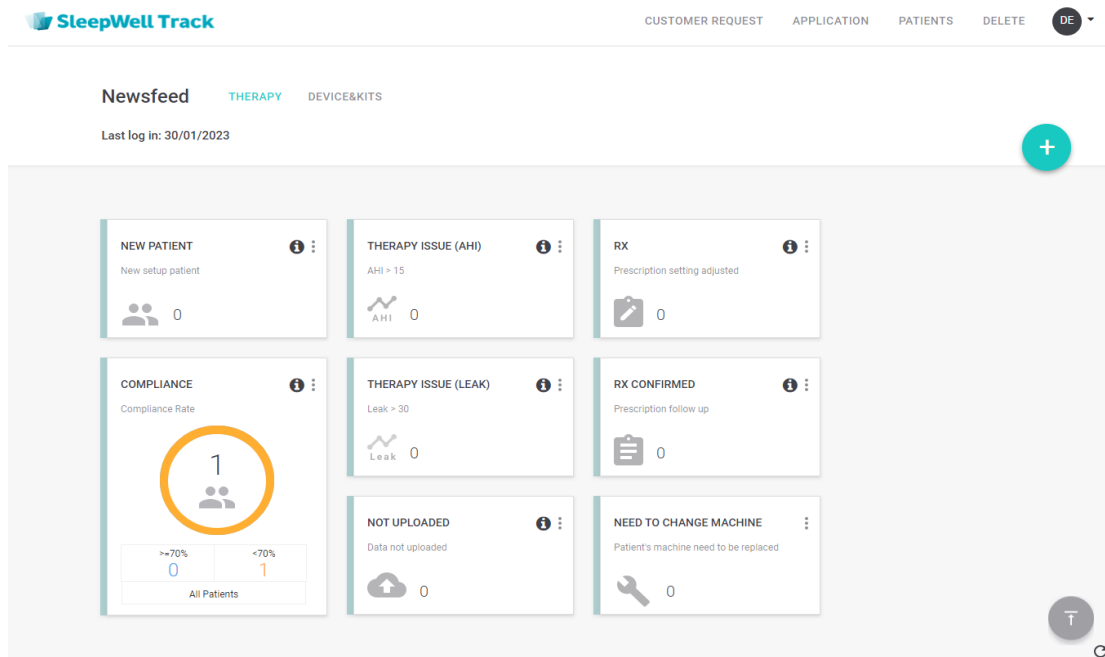
## 5.6. Review account profile edition history

Open HISTORY tab to review the profile edition history. It provides search function by time and by events.



## 6. Patients Monitoring

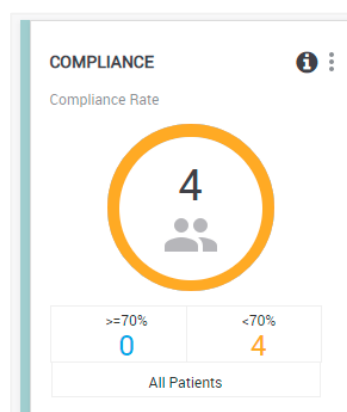
### 6.1. Newsfeed- THERAPY (Clinical users role only)





Under the clinical user role, SleepWell Track provides a dashboard to highlight the patients who potentially have compliance or treatment issues. The dashboard shows the information with filter cards contain 4 filter criteria:

- New patient
- Therapy info
- Prescription update
- Device status


### 6.1.1. Card introduction

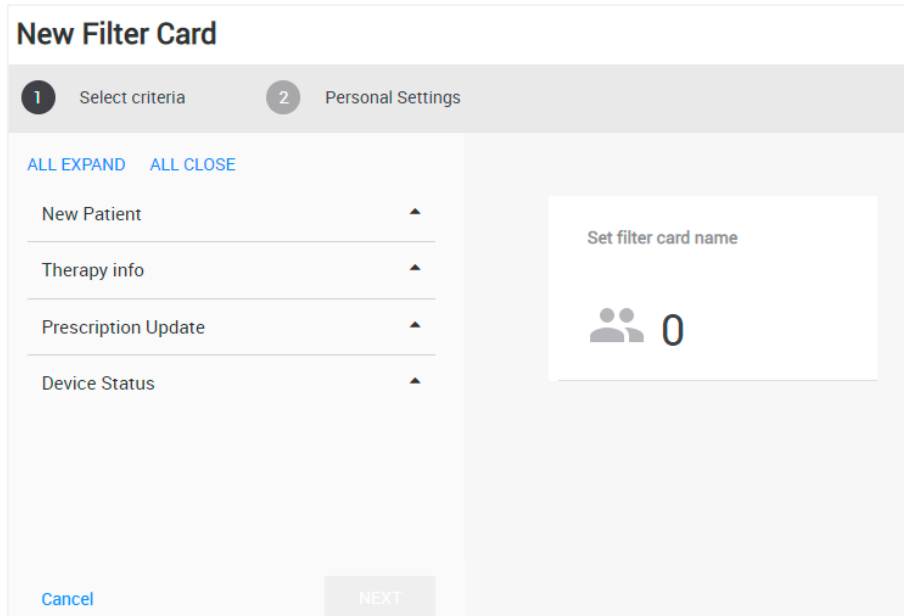


- (1).  - shows the period of the data shown.
- (2).  - click to re-define or delete the cards based on the clinical user's preference.

- (3). Click the card to enter the filtered patient page.

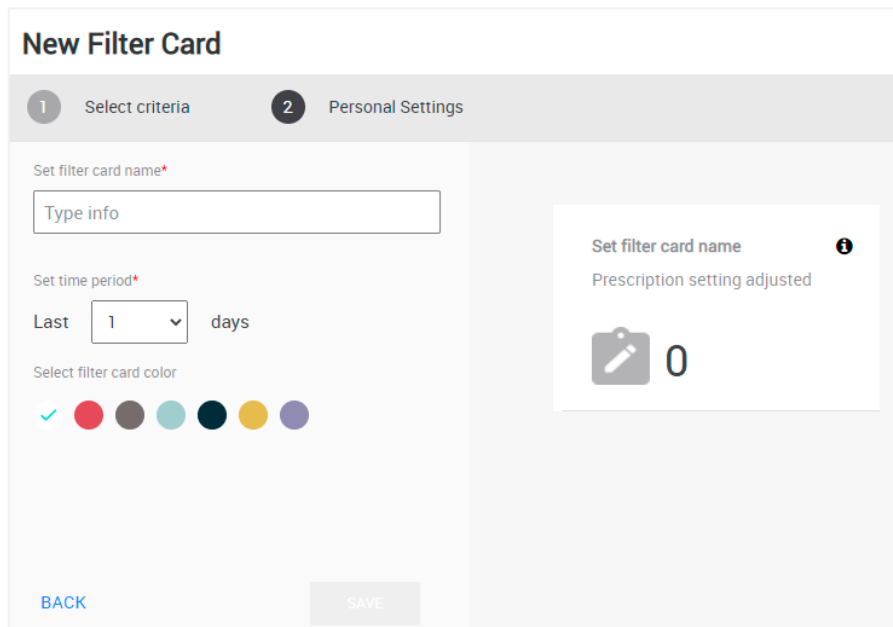
### 6.1.2. Create a new filter card

- (1). Click the  button.
- (2). Select the criteria for the new filter card



The screenshot shows the 'New Filter Card' form with two tabs: '1 Select criteria' and '2 Personal Settings'. The 'Select criteria' tab is active. It features a list of criteria: 'New Patient', 'Therapy info', 'Prescription Update', and 'Device Status', each with an expand/collapse arrow. To the right, there is a box labeled 'Set filter card name' with a person icon and the number '0'. At the bottom, there are 'Cancel' and 'NEXT' buttons.


- (3). Select the personal settings of the new filter card.

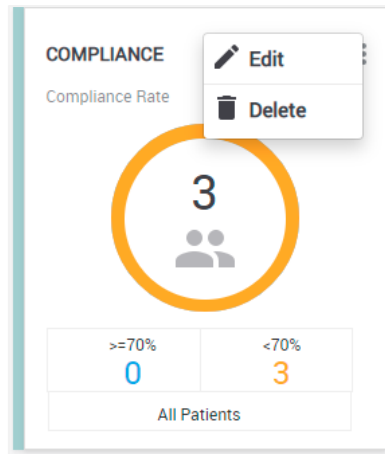


The screenshot shows the 'New Filter Card' form with the '2 Personal Settings' tab active. It includes a text input for 'Set filter card name\*' with the placeholder 'Type info'. Below this is a 'Set time period\*' section with a dropdown set to '1' and the unit 'days'. There is also a 'Select filter card color' section with a row of color swatches: a checked teal swatch, followed by red, grey, light blue, dark blue, yellow, and purple. To the right, a box labeled 'Set filter card name' shows 'Prescription setting adjusted' with a pencil icon and the number '0'. At the bottom, there are 'BACK' and 'SAVE' buttons.

- (4). Hit SAVE after finishing the new card creation.

### 6.1.3. Edit the filter card

- (1). Select the card that you want to edit > click  > select Edit.



(2). Edit the filter cards.

### Edit Filter Card

1 Select criteria
2 Personal Settings

ALL EXPAND ALL CLOSE

New Patient  
Therapy info  
Compliance Rate  
Data not upload  
AHI> 0  
Leak> 0 L/min  
Prescription Update  
Device Status

COMPLIANCE  
Compliance Rate  
3

Cancel NEXT

### Edit Filter Card

1 Select criteria
2 Personal Settings

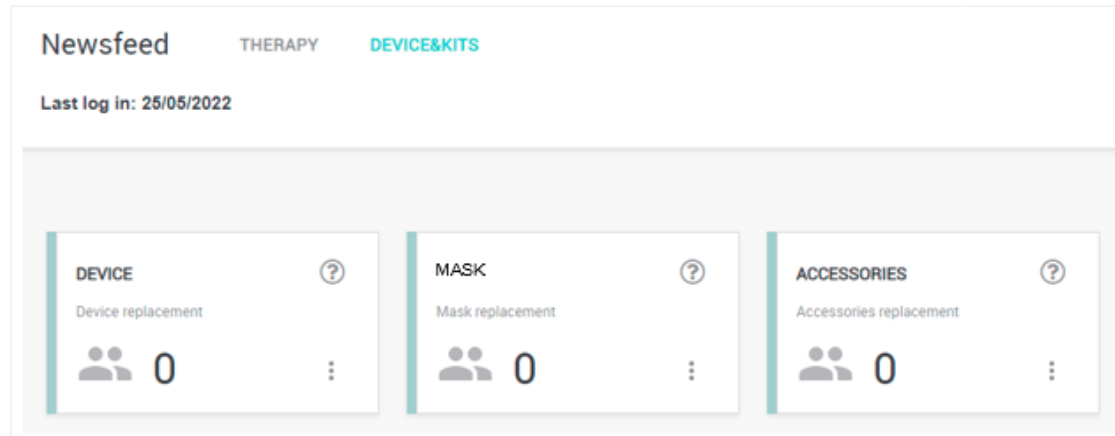
Set filter card name\*  
COMPLIANCE  
Set Compliance Rate\*  
Compliance Rate 70 %  
Set time period\*  
Last 90 days  
Select filter card color  
BACK SAVE

COMPLIANCE  
Compliance Rate  
3



- (3). Hit SAVE after finishing editing.



## 6.2. Newsfeed – DEVICE&KITS (Dealer clinical user role only)




Under the dealer clinical user role, SleepWell Track provides the filter cards to highlight the patients who need device or kits replacement. The dashboard shows 3 cards:

- DEVICE
- MASK
- ACCESSORIES

### 6.2.1. Card introduction

- (1).  - shows the period of the data shown.
- (2).  - click to re-define or delete the cards based on the clinical user's preference.
- (3). Click the card to enter the filtered patient page.

### 6.2.2. Edit the filter card

- (1). Select the card that you want to edit > click  > select Edit.
- (2). Edit the cards.

### Edit Filter Card

1 Select criteria
2 Personal Settings

Product Type\*  
Device

Product model\*  
ALL

Device  
Device replacement  
0

Cancel
NEXT

### Edit Filter Card

1 Select criteria
2 Personal Settings

Set filter card name\*  
Device

Set time period\*  
☐ Last 1 days  
☒ Next 7 days

Select filter card color  
☐ ☒ ☐ ☐ ☐ ☐ ☐

Device  
Device replacement  
0

BACK
SAVE

(3). Hit SAVE after finishing editing.

## 6.3. View the patient's treatment data

- (1). Open PATIENTS page.
- (2). Search for the patient.

Patients THERAPY DEVICE&KITS

Last Name Search... SEARCH

Periods Days : 03/01/2023 ~ 01/02/2023 Duration : 30 days

1-1 of 1 patients < 1 > 25 / Page

Patient's Name	Patient ID	Compliance Rate	AHI	Average Leak	Device ID	Last Upload
Cindy Lee	-	0.0	0.0 lpm	11/07/2022		

a. Filter: Add search condition and hit QUERY to quickly locate the

wanted patients.

- b. Sort: The list can be sorted by ascending and descending order in each column respectively to locate the wanted patients efficiently.
- (3). After locating the wanted patient, click on the patient's name to access the patient's USAGE panel to view the treatment data.

### 6.3.1. View the patient's therapy summary

- (1). Open THERAPY SUMMARY tab.
- (2). Select the time span to retrieve the data in the period.

The screenshot displays the 'THERAPY SUMMARY' tab in the Wellell interface. At the top, there are four tabs: 'THERAPY SUMMARY', 'COMPLIANCE TIME', 'DAILY DETAILS', and 'LONG TERM TREND'. Below the tabs, there are filters for 'Last Used Date', 'Today', 'Yesterday', 'Last 7 Days', 'Last 30 Days', and 'Last 90 Days'. A 'Selected Period' section shows dates '02/20/2023' and '03/21/2023' with a '~' symbol between them, and a 'Duration' of '30 days'. An 'UPDATE' button is next to the duration. Below the filters, there are two main sections: 'Therapy Summary' (Patient's outcome details) and 'Device Info' (Device setting details). To the right, there is a 'Statistic Averages' section showing 'AHI' and 'Hypopnea'.

- (3). Average and Compliance

- ✓ **AHI (Apnea/Hypopnea Index):** The number of apneas or hypopneas occurring in an hour.<sup>1</sup>

<sup>1</sup> Ruehland WR1, Rochford PD, O'Donoghue FJ, Pierce RJ, Singh P, Thornton AT. The new AASM criteria for scoring hypopneas: impact on the apnea hypopnea index. Sleep. 2009 Feb;32(2):150-7.

- ✓ **Apnea:** In the sleep, the breathing is fully stopped or airflow decreases  $\geq 90\%$  for more than 10 seconds.<sup>2</sup>
- ✓ **OSA (Obstructive Sleep Apnea):** Obstructive sleep apnea occurs as repetitive episodes of complete or partial upper airway blockage during sleep.
- ✓ **CSA (Central Sleep Apnea):** Similar to OSA, but the cause is that the brain fails to send out enough signal to initiate breathing due to instability in the respiratory control center.
- ✓ **Hypopnea:** Decreased airflow for more than 10 seconds and accompanied by SpO<sub>2</sub> dropping 3%.<sup>3</sup>
- ✓ **Pressure:** Average air pressure (cmH<sub>2</sub>O)
- ✓ **90% Pressure:** means 90th percentile pressure, to sequence the applied air pressure from low to high, the one at the 90th.
- ✓ **Leak (lpm)**
- ✓ **Large Leak Time (min)**

Statistic Averages	
AHI	0.5
Hypopnea	0.4
Apnea	0.1
OSA	0.1
CSA	0.0
Pressure	6.5 cmH <sub>2</sub> O
90% Pressure	9 cmH <sub>2</sub> O
Leaks	8.2 lpm
Large Leak Time	0.1 min

<sup>2</sup> Berry RB, Budhiraja R, Gottlieb DJ et al: Rules for scoring respiratory events in sleep: update of the 2007 AASM Manual for the Scoring of Sleep and Associated Events. Deliberations of the Sleep Apnea Definitions Task Force of the American Academy of Sleep Medicine. J Clin Sleep Med 2012; 8: 597-619.

<sup>3</sup> Vishesh K. Kapur, MD, MPH,<sup>1</sup> Dennis H. Auckley, MD,<sup>2</sup> Susmita Chowdhuri, MD,<sup>3</sup> David C. Kuhlmann, MD,<sup>4</sup> Reena Mehra, MD, MS,<sup>5</sup> Kannan Ramar, MBBS, MD,<sup>6</sup> and Christopher G. Harrod, MS Clinical Practice Guideline for Diagnostic Testing for Adult Obstructive Sleep Apnea: An American Academy of Sleep Medicine Clinical Practice Guideline. J Clin Sleep Med. 2017 Mar 15; 13(3): 479–504.

- ✓ **Compliance rate** (Note: The default setting is 4 hours/day.)

Compliance		
Usage Hours	Percentage	Number of Days
≥ 4 Hours	100.0 %	30 days
< 4 Hours	0.0 %	0 days

- (4). View device setting details

Latest Today Yesterday 7 Days 30 Days 90 Days

Selected Period 06/04/2022 ~ 12/04/2022 Duration: 7 days UPDATE

**Efficacy Statistic**  
Patient compliance details

**Device Info**  
Device setting details

**Device Info**

Device

Mode

Setup Date 2022/04/06

Last Update 2022/04/06

**Last Pressure Setting**

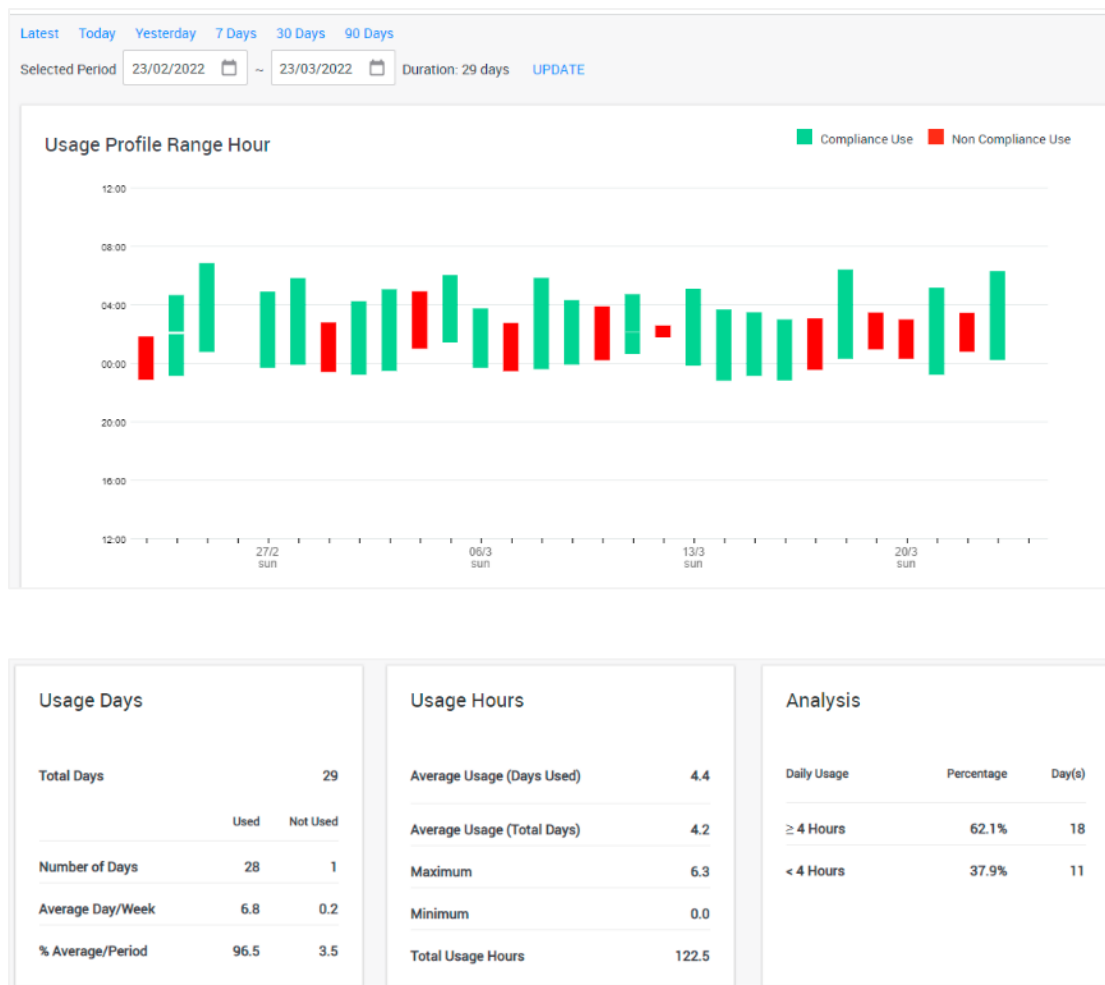
Maximum Pressure undefined cmH<sub>2</sub>O

Minimum Pressure

PVA Level off

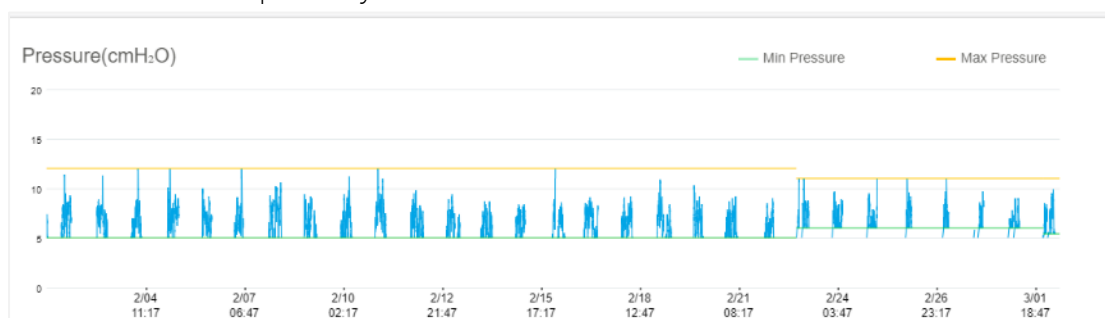
### 6.3.2. View compliance time.

- (1). Open PATIENTS tab, entering the patient's profile by clicking the name of the patient which you'd like to view. Click USAGE > COMPLIANCE TIME.
- (2). Select the time span to retrieve the data in the period.
- (3). The compliance status-quo is shown in a bar chart and the details are displayed in the tables below. The compliance use hour range is shown in green. The non-compliance use hour range is shown in red.
- (4). Move the cursor onto the bar and view the detailed time of the usage hours.

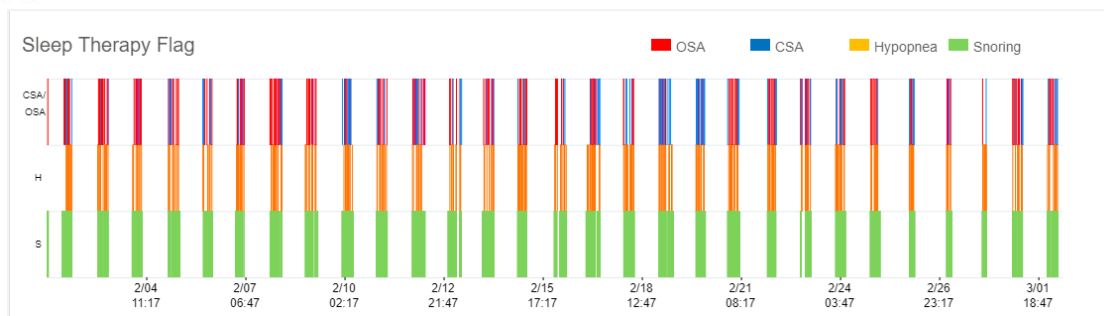


### 6.3.3. View the patient's daily details

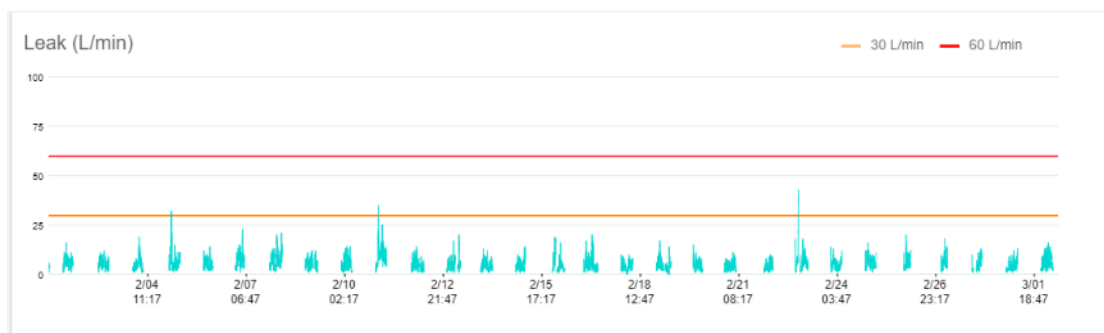
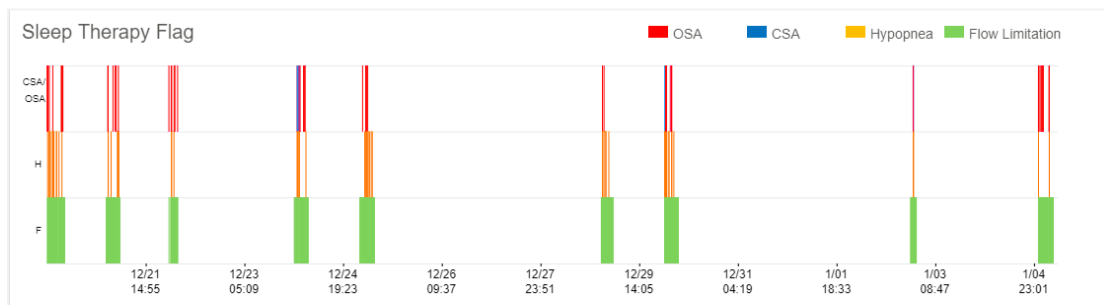
- (1). Open DAILY DETAILS tab.
- (2). Select the time span to retrieve the data in the period.
- (3). The “Pressure”, “Sleep Therapy Flag” and “Leak” data are shown in graph charts respectively.



Sleep Therapy Flag chart for XT Auto product.



Sleep Therapy Flag chart for iX series product.



- (4). Select the period by dragging the period you want, let go of the mouse button and the chart will be narrowed down to the selected period.





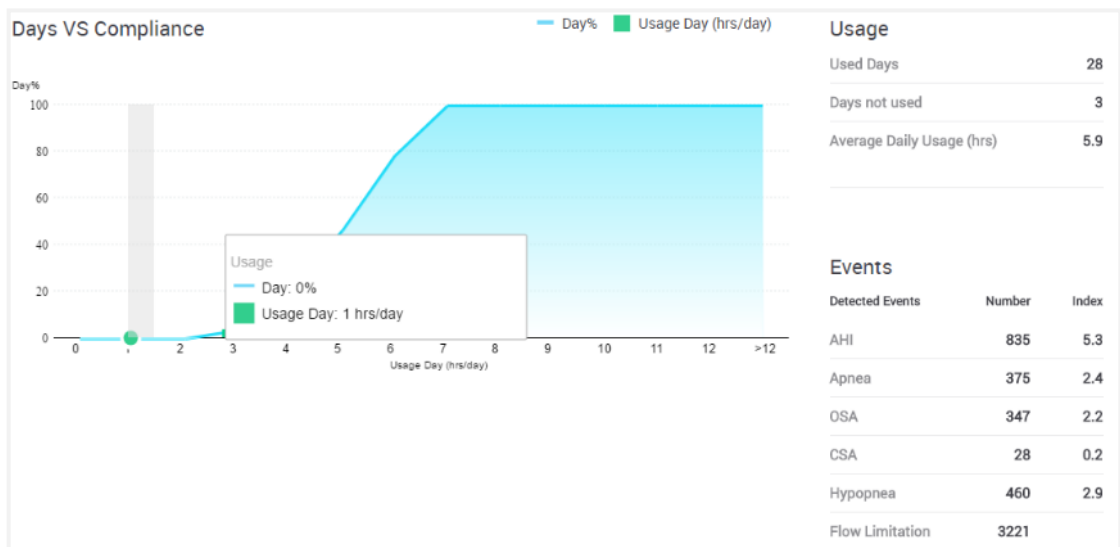
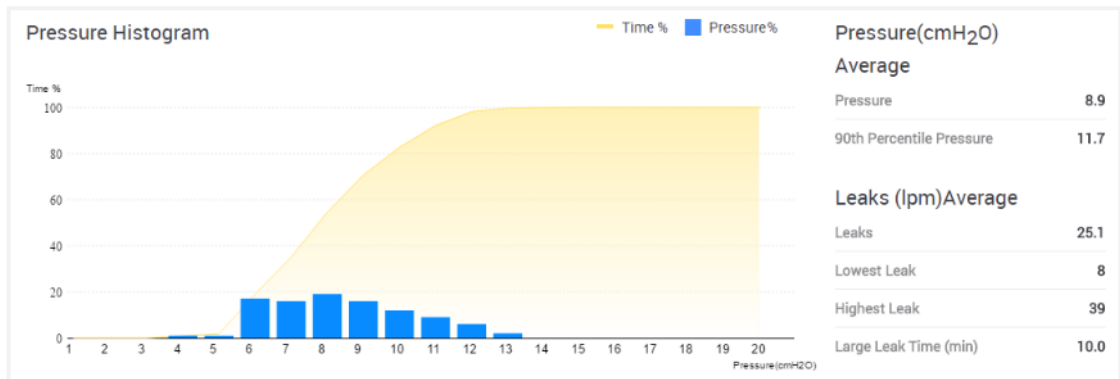
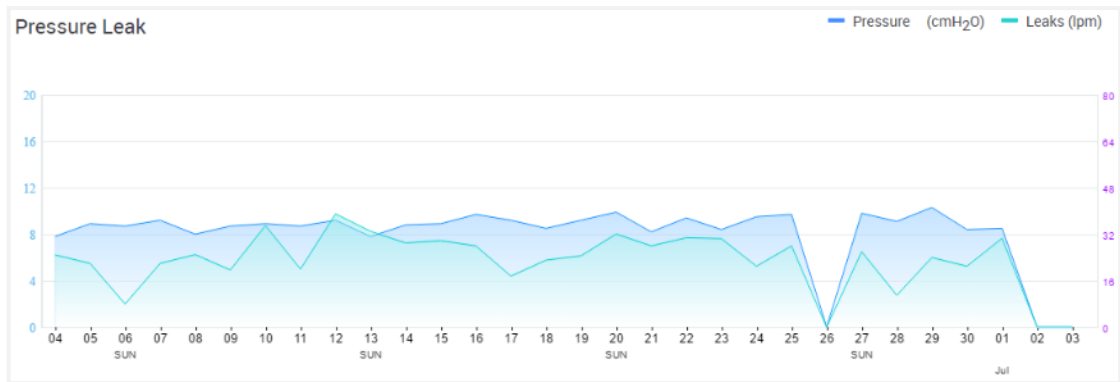
(5). “Events Under Each Pressure Setting” and “Events” are listed in tables.

[illegible]

#### 6.3.4. View the patient's long term trend of treatment

- (1). Open LONG TERM TREND tab.
- (2). Select the time span to retrieve the data in the period.
- (3). The Long Term Trend shows the average value of each factor. The “Pressure Leak”, “Pressure Histogram” and “Days% VS Compliance” are shown in graph charts and tables.





## 6.4. Create patient's report

(1). At the USAGE tab, click  button.

← Cindy Lee **USAGE** PROFILE

EFFICACY STATISTIC **COMPLIANCE TIME** DAILY DETAILS LONG TERM TREND

Latest Today Yesterday 7 Days 30 Days 90 Days

Selected Period 06/04/2022 ~ 12/04/2022 Duration: 7 days [UPDATE](#)

Usage Profile Range Hour

Compliance Use Non Compliance Use

(2). Select CREATE REPORT.

The screenshot shows the 'Cindy Lee' user profile with tabs for 'USAGE' and 'PROFILE'. Under 'USAGE', there are sub-tabs: 'EFFICACY STATISTIC', 'COMPLIANCE TIME', 'DAILY DETAILS', and 'LONG TERM TREND'. The 'COMPLIANCE TIME' tab is active. It shows a 'Selected Period' from 05/04/2022 to 12/04/2022 with a 'Duration: 7 days'. A 'Usage Profile Range Hour' chart is visible. A 'CREATE REPORT' button is located in the bottom right corner.

(3). Configure preferred report type and duration and then hit PREVIEW.


The 'Create Report' dialog box shows fields for 'Patient Name' (\*\*\* Demo) and 'Device' (iX Auto). Under 'EFFICACY STATISTIC', the date range is 23/02/2022 to 23/03/2022. Below this, 'Add Report Type' has two options: 'Compliance Time' (checked) and 'DAILY DETAILS' (unchecked). The date range for 'Compliance Time' is also 23/02/2022 to 23/03/2022. At the bottom right are 'Cancel' and 'PREVIEW' buttons.

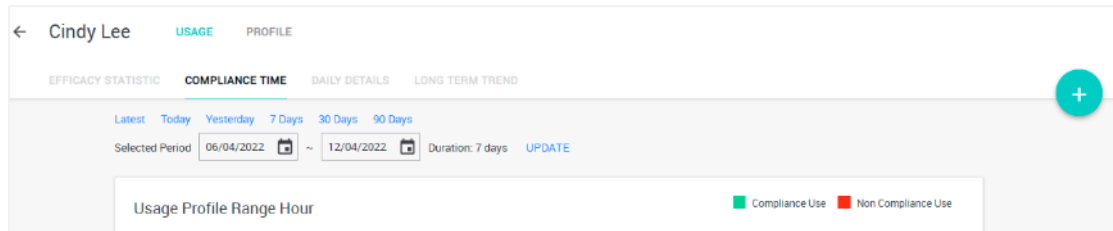
(4). While in preview, hit the printer button to print out the report; or hit to exit.

The report preview page for 'Patient01 Demo' (10/10/2022 ~ 11/08/2022) shows patient details and a 'THERAPY SUMMARY'. The summary includes Average AHI (0.6), Average Pressure (6.4 cmH2O), Average Leak (8.5 lpm), Compliance (96.7%), and Average Usage (6.7 hr). A 'Statistic Averages' table is also provided.

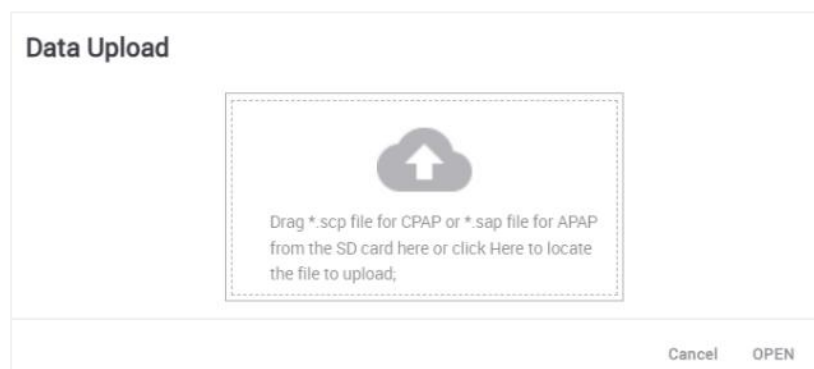
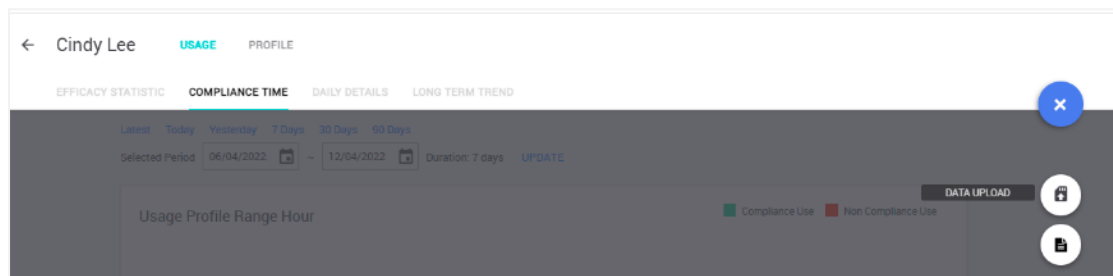
Statistic Averages			
AHI	0.6	Pressure	6.4 cmH2O
Hypopnea	0.5	90% Pressure	8.9 cmH2O
Apnea	0.1	Leaks	8.5 lpm
OSA	0.1	Large Leak Time	0.1 min
CSA	0.0		

## 6.5. Upload data from SD card

- (1). At the USAGE tab, click  button.

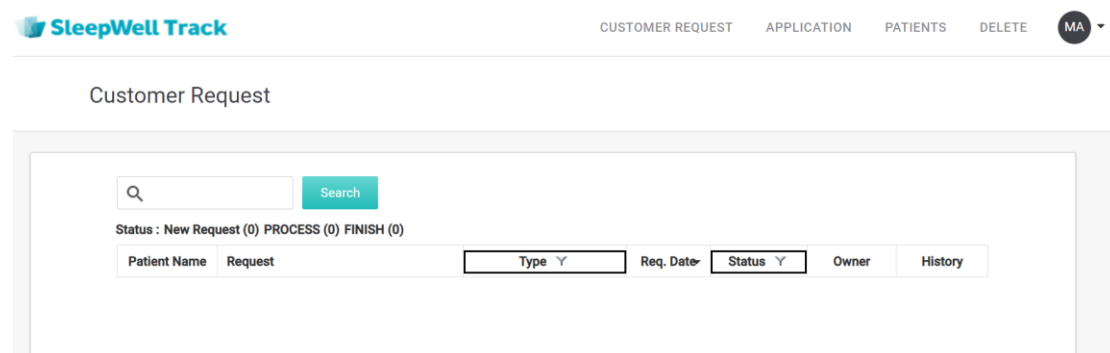


- (2). Select DATA UPLOAD to upload treatment data from the SD card or upload files from the PC.



## 6.6. Customer Request Management (Dealer clinical user role only)

SleepWell track collects the customer requests sent from patients' SleepWell App accounts.



- (1). Click CUSTOMER REQUEST to access the page.
- (2). Input the keyword to search or filter request type or status with filters.

Customer Request

Search

Status : New Request (0) PROCESS (0) FINISH (0)

Patient Name	Request	Type Y	Req. Date	Status Y	Owner	History
		<input checked="" type="checkbox"/> Maintenance and Repair <input checked="" type="checkbox"/> Request Supplies <input checked="" type="checkbox"/> Request Report <input checked="" type="checkbox"/> Change My Physician		<input checked="" type="checkbox"/> New Request (0) <input checked="" type="checkbox"/> PROCESS (0) <input type="checkbox"/> FINISH (0)		

OK

(3). Click “New” to view the request message.

Customer Request

Search

Status : New Request (1) PROCESS (0) FINISH (0)

Patient Name	Request	Type Y	Req. Date	Status Y	Owner	History
Cindy Lee	Hello, it's a test message.	Request Supplies	25/05/2022 19:16:48	New		

Page 1 of 1, 1 pieces of data

(4). Key in handling notes and select the status, then hit the “SUBMIT” button.

Update Request

Patient Name :  
Cindy Lee

Request :  
Hello, it's a test message.

Note :

0/500

Status : ☒ PROCESS ☐ DONE

SUBMIT

(5). Click History icon to view the handling history.

History

PROCESS

Clinical User: DEMO USE Clinical user 2022/05/25 19:25

Thank you for contacting us. We will get back to you asap.

New Request

Patient: Cindy Lee 2022/05/25 19:24

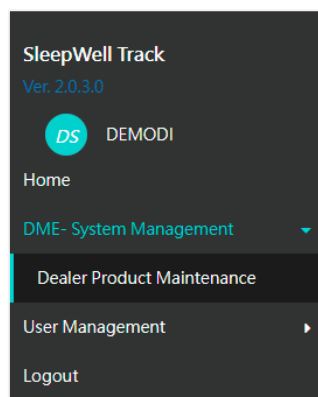
Hello, it's a test message.

## 7. System Management

Click SYSTEM to access the system management page.

### 7.1. Dealer product maintenance (Distributor role only)

Distributors can manage the product portfolio assign to their dealers. Only the assigned products will show under the dealers' accounts. Access the Dealer Product Maintenance page as below:




DME- System Management > Dealer Product Maintenance

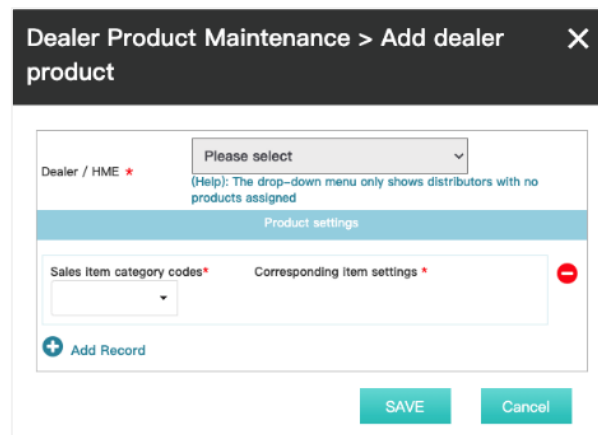
Dealer / HME:  Sales item category codes:

Order	Dealer / HME	Sales item category codes
1	Magnet Dealer Den	Demo2
2	DEMO USE Dealer	Demo1
3	(v)Dealer	Demo2 , test2



10  1 Page. Total 1page(s) It's row 1 to row 3. Totally 3 rows.

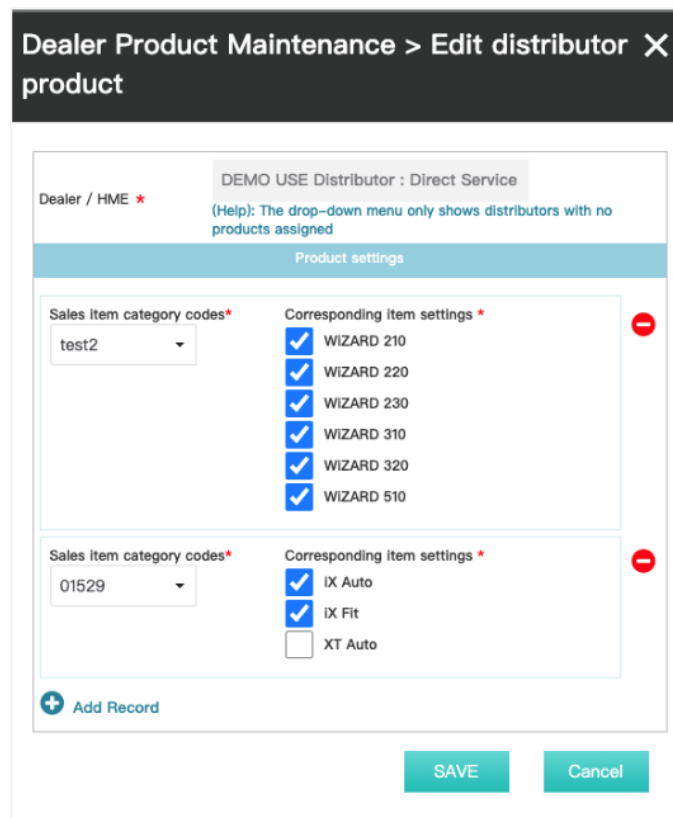
#### 7.1.1. Create the dealer's product

- (1). Click  button.
- (2). Fill in Dealer / HME and Product settings.



- (3). Select Sales item category codes and corresponding item settings. If NEED, and/or remove a sales item category:

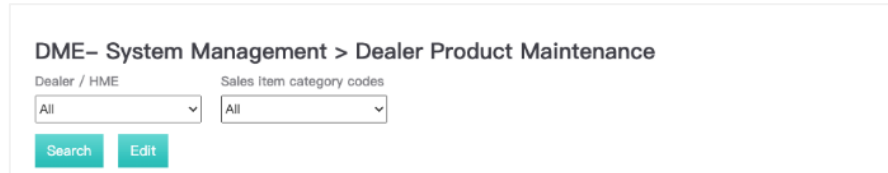
- a. Add a new category: Click  Add Record button.
- b. Remove the category: Click the  button.



- (4). Click "Save" to complete the process of creating a new product for the dealer.

### 7.1.2. Search the dealer's product

- (1). Use filters to search for product. Filters include:
  - a. Name of Dealer / HME
  - b. Type of sales item category codes



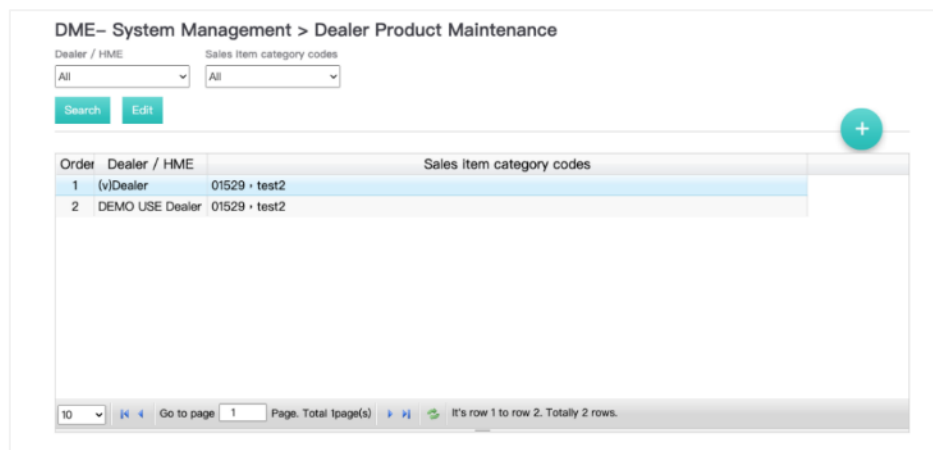
**DME- System Management > Dealer Product Maintenance**

Dealer / HME:  Sales item category codes:

- (2). Click the “Search” button to search the product.

### 7.1.3. Edit the dealer's product

- (1). Select one of the products on the list and click the “Edit” button.




**DME- System Management > Dealer Product Maintenance**

Dealer / HME:  Sales item category codes:


Order	Dealer / HME	Sales item category codes
1	(v)Dealer	01529 • test2
2	DEMO USE Dealer	01529 • test2

Page. Total 1page(s) It's row 1 to row 2. Totally 2 rows.

- (2). Edit the product and click “Save”. If NEED, and/or remove a sales item category:
  - a. Add a new category: Click  **Add Record** button.
  - b. Remove the category: Click  button.

Dealer Product Maintenance > Edit distributor 


DEMO USE Distributor : Direct Service

Dealer / HME   
(Help): The drop-down menu only shows distributors with no products assigned

Product settings


Sales item category codes\*  
test2


Corresponding item settings \*  
☒ WIZARD 210  
☒ WIZARD 220  
☒ WIZARD 230  
☒ WIZARD 310  
☒ WIZARD 320  
☒ WIZARD 510



Sales item category codes\*  
01529

Corresponding item settings \*  
☒ IX Auto  
☒ IX Fit  
☐ XT Auto





SAVE

Cancel

7.1.4. View the dealer’s product

- (1). Select one of the products on the list and click the “Edit” button.


DME- System Management > Dealer Product Maintenance

Dealer / HME  
All

Sales item category codes  
All



Search

Edit





Order	Dealer / HME	Sales item category codes
1	(v)Dealer	01529 • test2
2	DEMO USE Dealer	01529 • test2

10


 

Go to page 1

Page. Total 1page(s)

It's row 1 to row 2. Totally 2 rows.

- (2). View the product and click  button.



Dealer Product Maintenance > Edit distributor X product

DEMO USE Distributor : Direct Service

Dealer / HME ★

(Help): The drop-down menu only shows distributors with no products assigned

Product settings

Sales item category codes*	Corresponding item settings *
test12	<input checked="" type="checkbox"/> WIZARD 210 <input checked="" type="checkbox"/> WIZARD 220 <input checked="" type="checkbox"/> WIZARD 230 <input checked="" type="checkbox"/> WIZARD 310 <input checked="" type="checkbox"/> WIZARD 320 <input checked="" type="checkbox"/> WIZARD 510
Sales item category codes*	Corresponding item settings *
01529	<input checked="" type="checkbox"/> IX Auto <input checked="" type="checkbox"/> IX Fit <input type="checkbox"/> XT Auto

+ Add Record

SAVE Cancel

## 7.2. Dealer product maintenanc (Dealer role only)

Dealers can view the product portfolio assigned by the distributor.

Access the Dealer Product Maintenance page as below:

SleepWell Track  
Ver. 2.0.3.0  
DE DEMODE  
Home  
DME- System Management  
Dealer Product Maintenance  
User Management  
Logout

DME- System Management > Dealer Product Maintenance

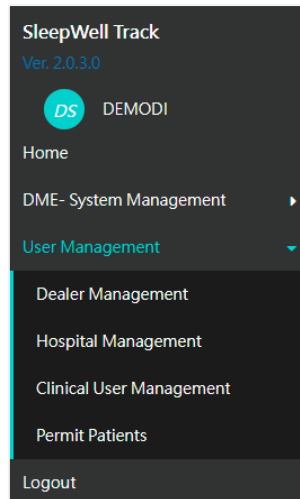
Product settings

Sales item category codes	Corresponding item settings
demo1	IX Sense
Sales item category codes	Corresponding item settings
demo2	IX Auto

## 7.3. User Management

Every role can create the account for users within its lower tiers. For example, Distributors can create dealer's accounts, hospital's accounts, and clinical users' accounts.

Access the User Management page as below:



### User Management > Dealer Management

Dealer's account  Dealer's country  Status

Order	Dealer	City of Dealer	Account (Email A	Auth. Role	Country	Status	
1	DEMO USE Dealer	NEW TAIPEI	DEMODE	Dealer	Spain	Enabled	
2	Wellell North		KH123	Dealer	Australia	Enabled	
3	Magnet Dealer Den Taipei		matthewlin01	Dealer	Japan	Enabled	

10  1 Page. Total 1page(s) It's row 1 to row 3. Totally 3 rows.

### 7.3.1. Create a new user account for dealer/hospital/clinical user

- (1). Click button.
- (2). Fill in the information of the user.
  - a. Set up an account and password for the user. The user can change the password after logging in.

Dealer Management > New Dealer

Auth. Role

Dealer

Dealer \*

Country \*

Please select

Language \*

Please select

Account (Email Address) \*

DEMIDI

Password \*

\*\*\*\*\*

Password again \*

Contact Person \*

Email \*

Phone Number

+886 2 2268 5600

Ext.

Address Line1

Address Line2

City

State

Zipcode

SAVE

Cancel

(3). Click the “Save” button when the form is completed.

### 7.3.2. Search the user account

- (1). Use filters to search the user account.
  - a. Search for a dealer’s account.

User Management > Dealer Management

Dealer's account

Dealer's country

All

Status

All

Search

Edit

- b. Search for a hospital's account.

**User Management > Hospital Management**

Dealer  
All

Hospital account

Status  
All

[Search](#) [Edit](#) [Change Status](#)

- c. Search for a clinical user's account.

**User Management > Clinical User Management**

Type  
☒ All ☐ Dealer ☐ Hospital

Dealer  
All

Hospital  
All

Clinical User Account

Clinical User First Name

Clinical User Last Name

Status  
All

[Search](#) [View](#) [Edit](#) [Change Status](#)

- (2). Click the “Search” button to search the user.

### 7.3.3. Edit the user account

- (1). Select the wanted user on the list and click the “Edit” button.

**User Management > Dealer Management**

Dealer's account

Dealer's country  
All

Status  
All

[Search](#) [Edit](#)

Order	Dealer	City of Dealer	Account (Email A	Auth. Role	Country	Status
1	DEMO USE Dealer	NEW TAIPEI	DEMODE	Dealer	Japan	Enabled

10 Go to page 1 Page. Total 1page(s) It's row 1 to row 1. Totally 1 rows.

- (2). Edit the user's information and click the “Save” button.

Dealer Management > Edit distributor

Auth. Role

Dealer

Dealer \*

DEMO USE Dealer

Country \*

Japan(日本)

Language \*

English

Account (Email Address) \*

DEMODE

Password

.....

Password again

Contact Person \*

DEMO USE Dealer

Email \*

demode@gmail.com

Phone Number

+886 2 2268 5600

Ext.

Address Line1

Address Line2

City \*

NEW TAIPEI

State \*

TAIWAN

Zipcode \*

200

Status \*

☒ Enabled ☐ Disabled

Last Editor

DEMO Regional User

Last Edited Time

11/04/2022 17:43:34

SAVE

Cancel

#### 7.3.4. Enable/disable the user account

User accounts can be disabled if they're no longer used. To enable/disable a dealer's account, use the "Edit" function. To enable/disable a hospital or clinical user's account, follow below steps:

- (1). Select the wanted user on the list and click the "Change Status" button.

**User Management > Hospital Management**

Dealer:

Hospital account:  Status:

Order	Status	Hospital	City of hospital	Account (Email A	Auth. Role
1	Not logged	Wellell N Hospital		KH022	Hospital
2	Not logged	123 Hospital		123H	Hospital
3	Not logged	Cindy Test		Cindytest	Hospital
4	Enabled	Change Status	Taipei	Changestatus	Hospital
5	Enabled	DEMO USE Hospita	NEW TAIPEI	DEMOHO	Hospital

- (2). Select "Enabled" or "Disabled" then hit the "Save" button.

**Hospital Management > Change Status**

Change Account Status

☒ Enabled ☐ Disabled

## 7.4. Permit Patients

To protect the patients' personal information, the user can manage the permission for the upper tiers organizations to view the patients under the user's direct service. The organizations who get permission can view all the information of the patients except for the personal information in patient profile's basic information.

- (1). Access the Permit Patients page.
- (2). Select the tiers to permit viewing patients then hit the "Save" button.

**SleepWell Track**  
Ver. 2.0.3.0  
DS DEMODI

Home

DME- System Management

User Management

Dealer Management

Hospital Management

Clinical User Management

Permit Patients

Logout

**System Management > Permit Patients**

☒ Regional User