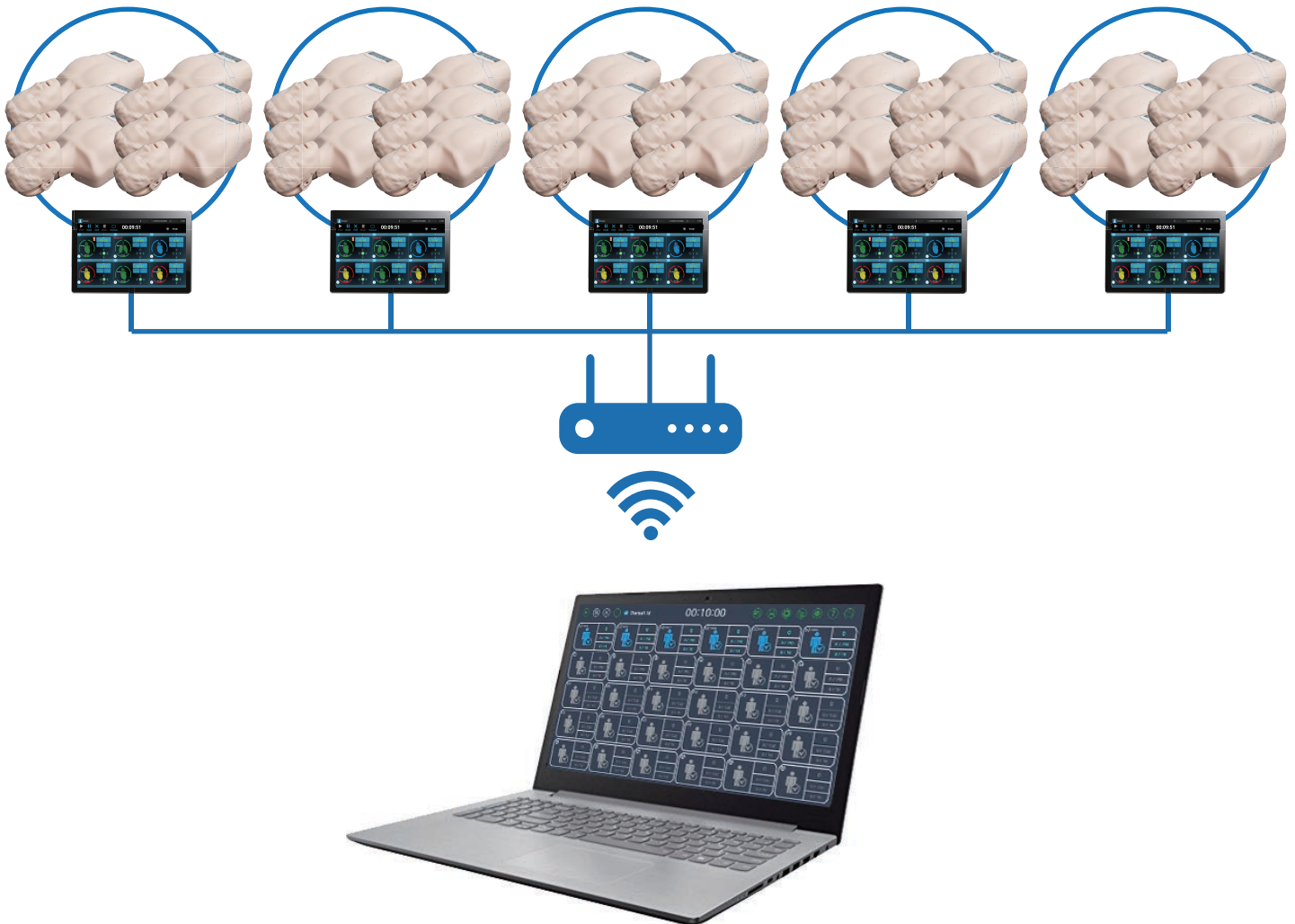


CPR Training Model

Sherpa – XM

Multi system – User guide



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1. Description of S/W

1-1. Introduction

Thank you for selecting Sherpa-XM from BT Inc.

This user manual is including software installation guide and description of each function for an appropriate operation of Sherpa-XM.

1-2. Cautions

Please read this manual carefully as it is a precaution for the correct use of the product and also the safety of user. BT Inc. is not responsible for any accidents caused by not following this instructions. BT Inc. may modify or change the product specification without notice in order to improve the performance of the product.

The name of S/W	Sherpa-XM
The name of manikin that this S/W is applicable with	Sherpa X (BT-SEEM2)

1-3. System recommendation

Sort	Recommended specification
OS	Windows 10
CPU	The minimum specification : Intel(R) Dual-Core 3GHz / AMD Phenom X4
RAM	8GB
HDD Storage	At least 1GB free space for database capacity
Resolution	1920 X 1080

1-4. Main function

- Convenient interface** Easy to use and it is good for a group training by connecting Sherpa X manikins up to 30 units.
- Various training result** The result can be exported to Excel format or Image file for a convenient use of detailed data about personal and group evaluation lists.
- Analyze the results** The analysis about the training evaluation list is being provided through Statistics and Comparison function.

2. S/W installation

2-1. S/W installation of Sherpa X – Tablet

- Since this Sherpa-XM is based on Sherpa X's software, Sherpa X's software must be installed on the tablet. In case Sherpa X software is not installed on the tablet yet, please install it.
- Download Sherpa X S/W from BT's website (<http://www.btinc.co.kr/ko/download-seem2/>) or Google Play.

2-2. S/W installation – PC

2-2-1. S/W installation – Office Software

- Before installing Sherpa-XM software, please make sure that Excel is installed on the PC.
- The result data can be reviewed through Excel.
- In case Excel from Microsoft is installed on the PC, it is not necessary to install Office software.
- If you have Microsoft Office software, please install it on the PC.
- LibreOffice is possible to be compatible with Sherpa-XM which is free program.

※ If Excel is not installed on the PC, Sherpa-XM software may not work.

■ Example) S/W installation – Office Software

- ※ License information or the version of software may be changed depending on the software provider's policy.
- ※ Download software according to the specification of the PC.
- ※ Download software from LibreOffice's webpage(<http://www.libreoffice.org/>) according to the specification of the PC.

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LibreOffice is a free and powerful office suite, and a successor to OpenOffice.org (commonly known as OpenOffice). Its clean interface and feature-rich tools help you unleash your creativity and enhance your productivity.

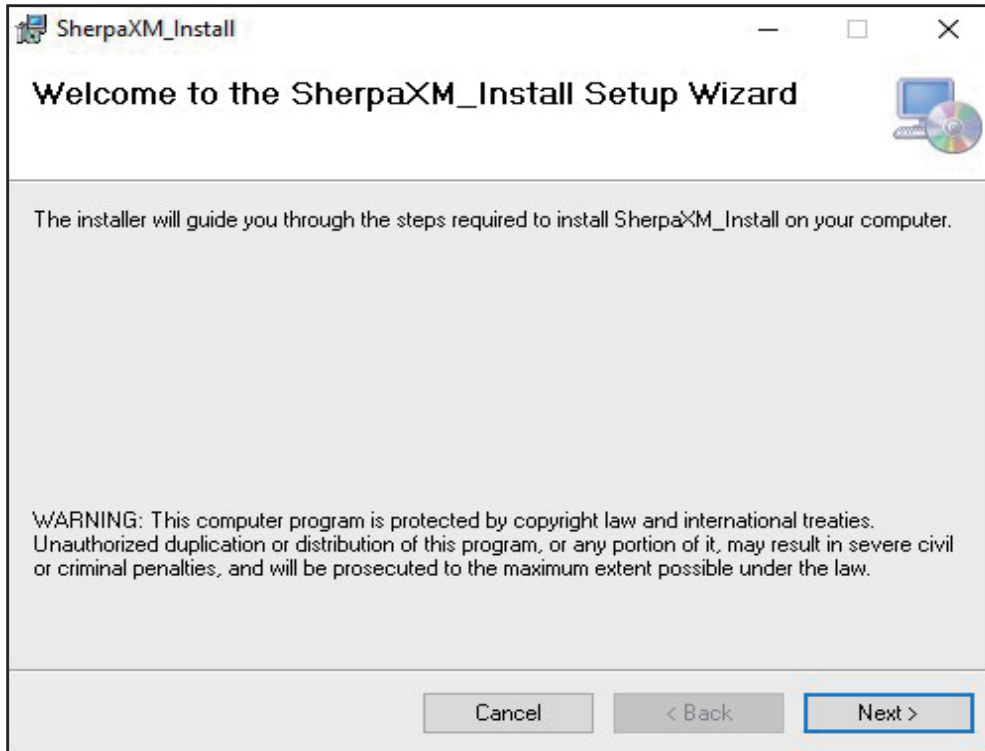
Free Office Suite
LibreOffice 6: "The best office suite gets even better" - ZDNET

Fun Project
LibreOffice is one of the friendliest and fastest-growing projects in the free and open source software world.

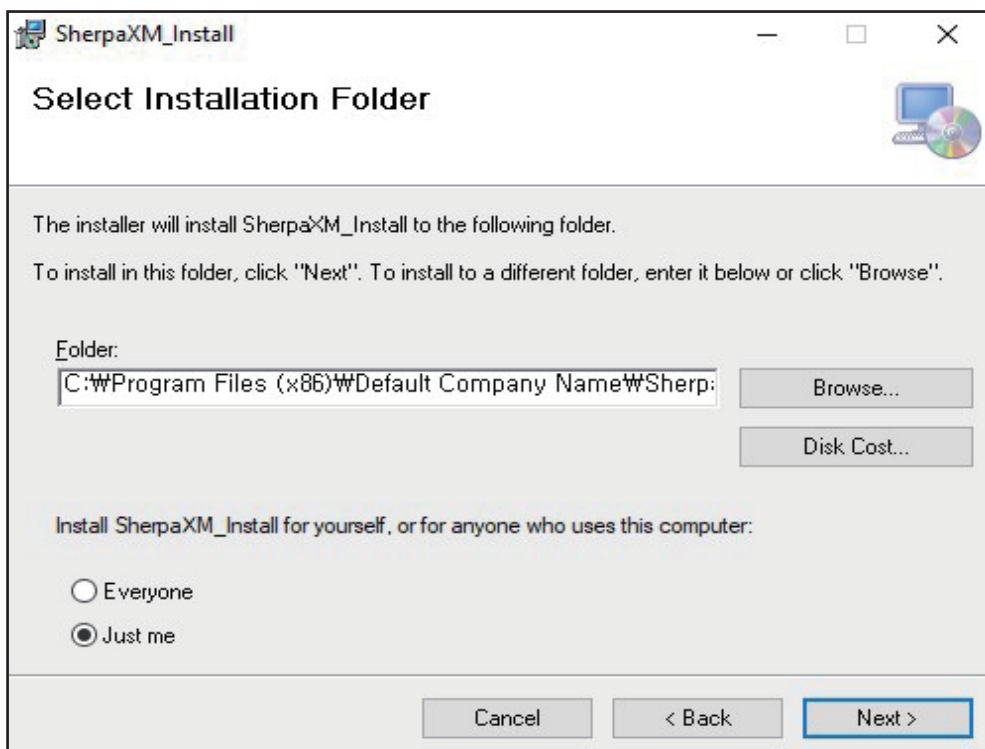
Fantastic People
LibreOffice is about more than software. It's about people, culture, creation, sharing and collaboration.

2-2-2. S/W installation of Sherpa-XM

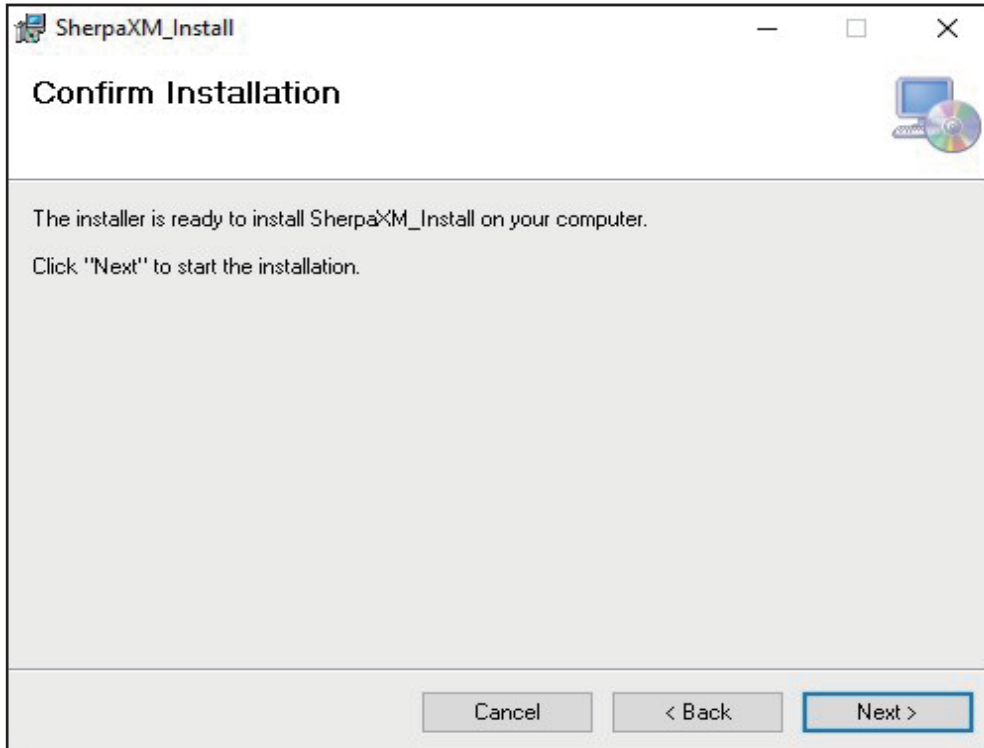
- ① Run the provided file "[SherpaX_Setup.msi](#)" by double-clicking it.
- ② When the following pop-up screen appears, click "Next" button.



- ③ Do not change any default settings and click "Next" button.



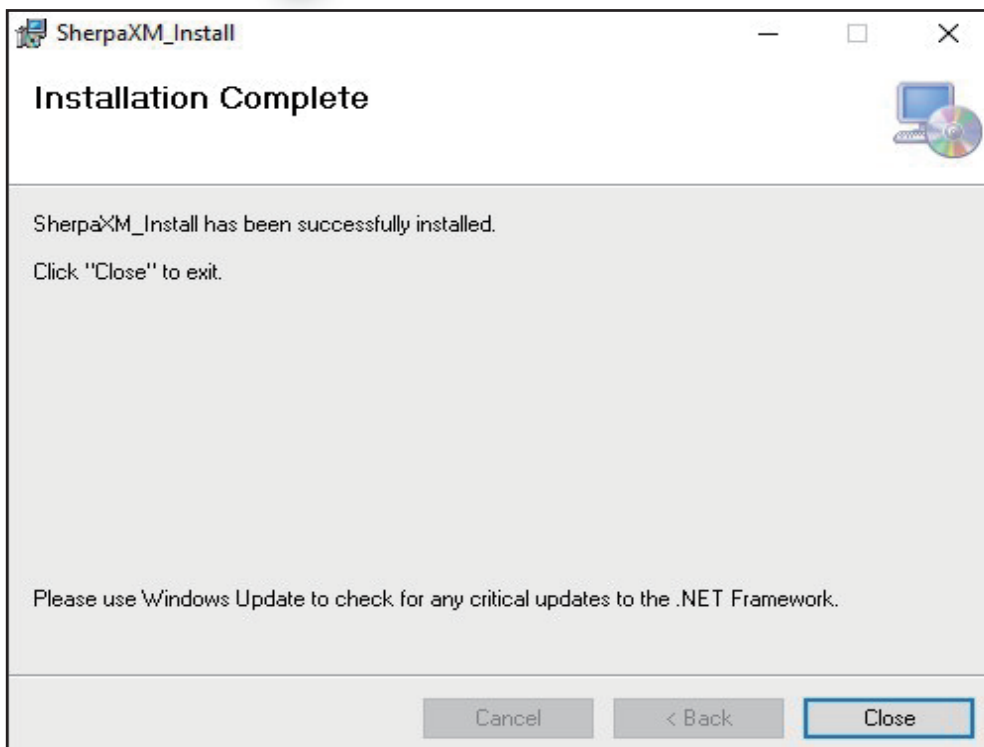
④ Click "Next" button.



⑤ Select "Yes" when it is asked the device allowance of the software during the installation.

⑥ Click the "Close" button and exit the installation when it is finished.

⑦ Sherpa-XM icon  is created on the desktop.

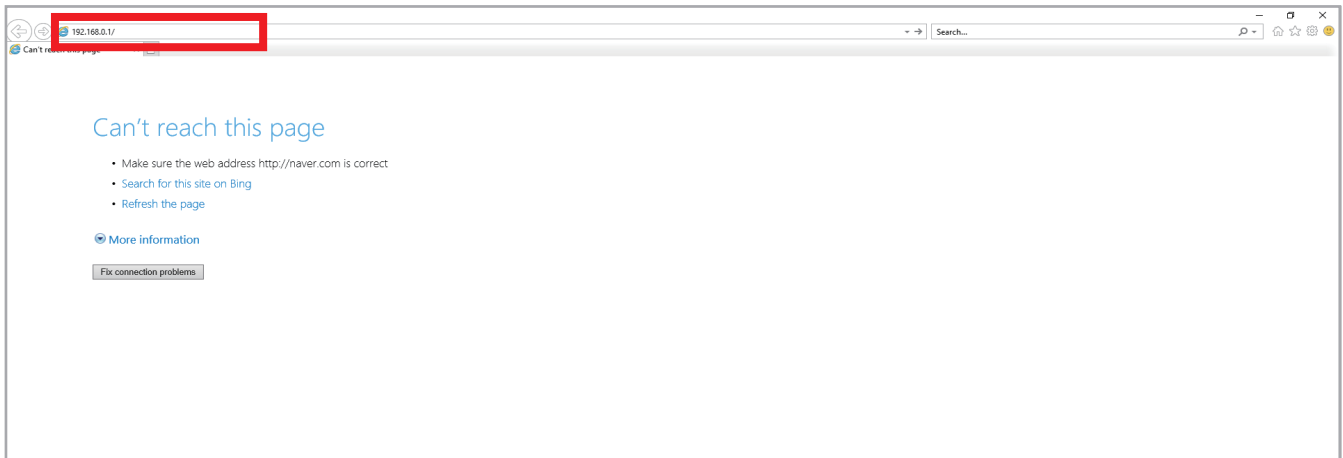


2-3. Network settings

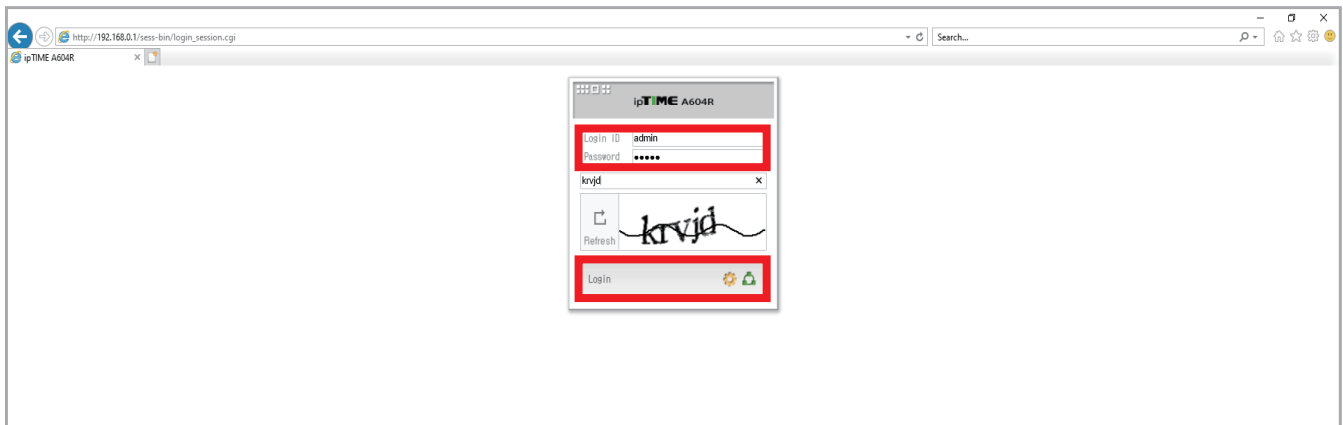
2-3-1. Network settings – Router

- ① Turn the power on of router.
- ② Connect PC's network to the router.
 - * It is recommended to use a router as **Sherpa-XM only**.
- ③ Set the network by following the installation guide of the Wi-Fi router.
(It is recommended to set the network name as "SherpaXM.)

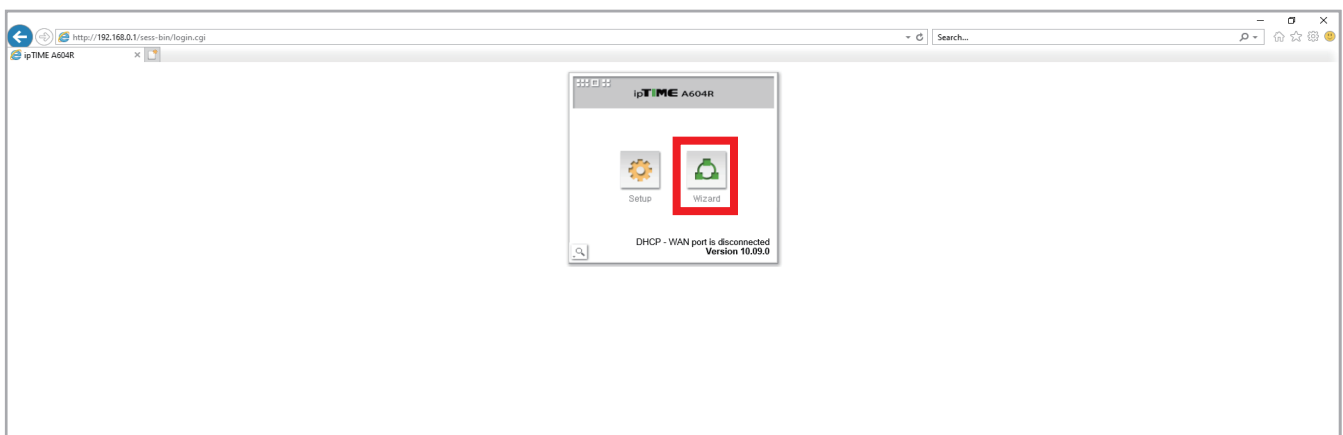
■ Ex.) How to set the ipTiME router



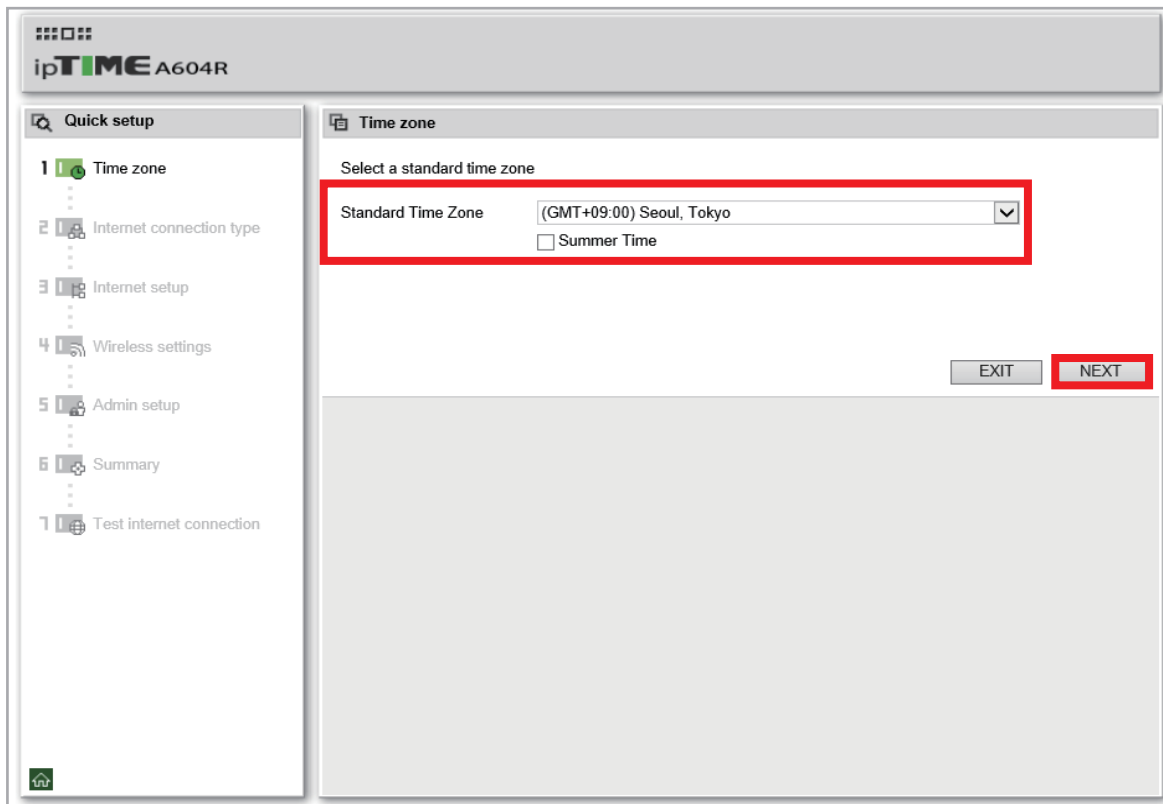
- ① Input "admin" for ID/PW and click log-in.



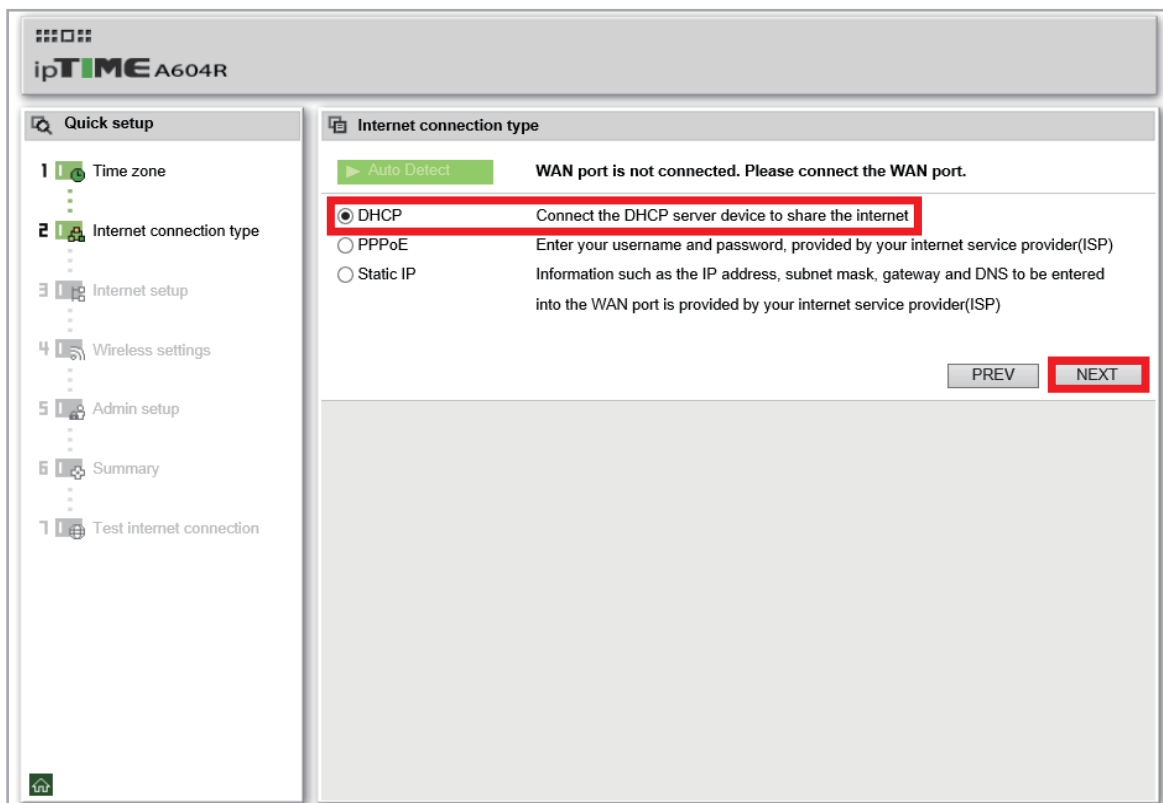
- ② After the log-in, select the "Setting wizard".



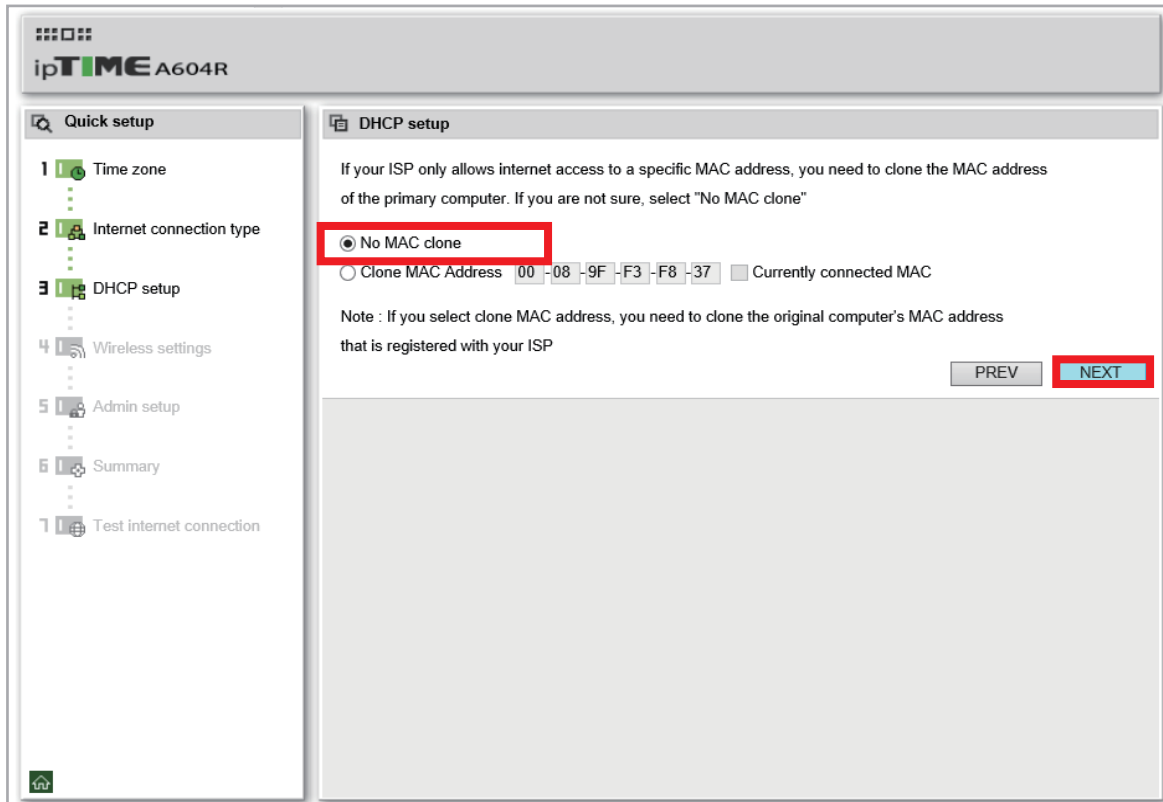
③ From "Time zone setting" menu, select an appropriate time zone and click "Next".



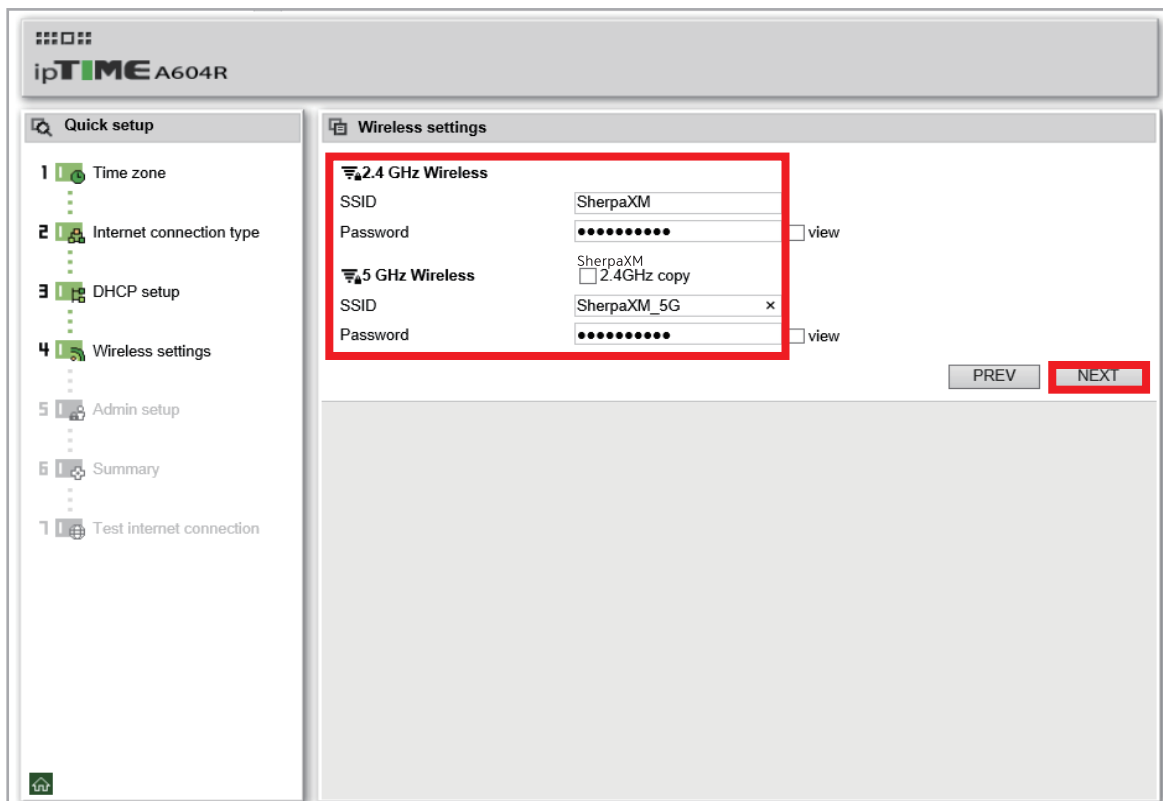
④ From the "Internet connection" menu, select the "Dynamic IP" and click "Next".



⑤ From the "Dynamic IP setting" menu, select "Do not change the MAC address" and click "Next".



⑥ From the "Wireless setting" menu, set the name of 2.4GHz and 5GHz differently and set the network password. Click "Next" when it is completed.



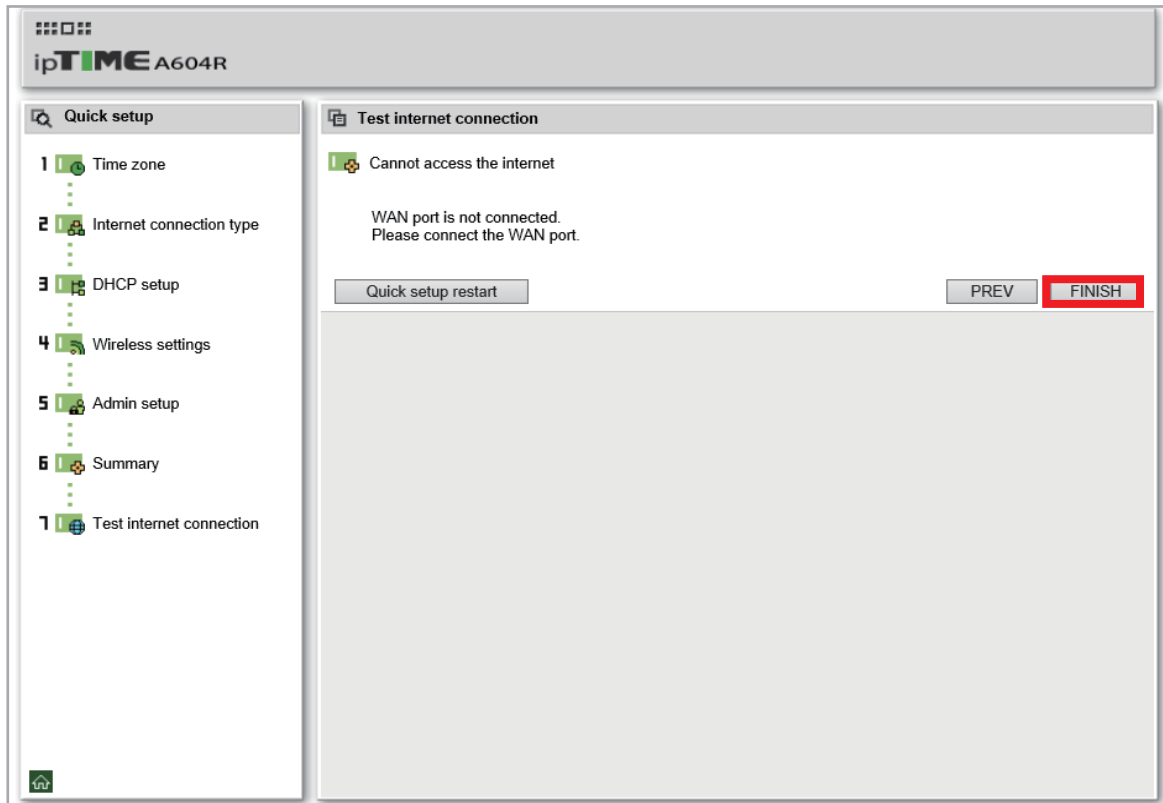
- ⑦ From "Administrator settings" menu, set the Wi-Fi router name and password that you need for the Wi-Fi log-in and click "Next".

The screenshot shows the 'Admin setup' page of the ipTIME A604R router. On the left, a 'Quick setup' sidebar lists steps 1 through 7, with step 5 'Admin setup' highlighted. The main area is titled 'Admin setup' and contains the instruction 'Put the Admin ID, Password'. Below this, there are two input fields: 'Admin ID' with the value 'SherpaXM' and 'Admin Password' with masked characters '•••••'. A 'view' checkbox is next to the password field. At the bottom right, there are two buttons: 'PREV' and 'NEXT', with 'NEXT' highlighted in red.

- ⑧ From "Setting confirmation" menu, make sure all the information is correct and type the security code and click "Apply".

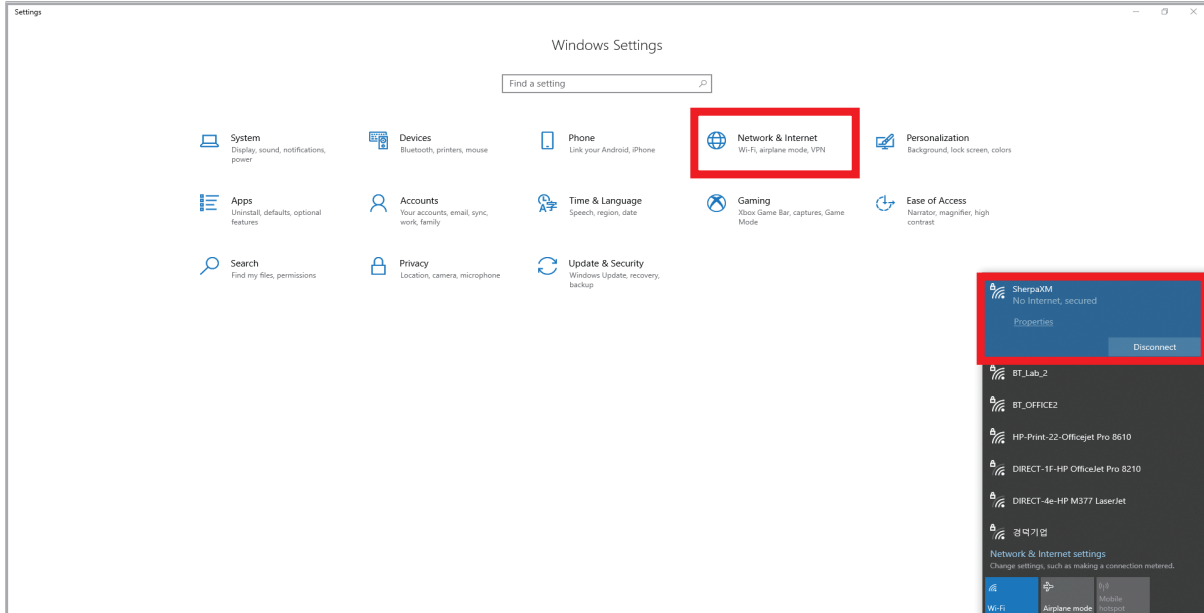
The screenshot shows the 'Summary' page of the ipTIME A604R router. The 'Quick setup' sidebar on the left shows step 6 'Summary' highlighted. The main area is titled 'Summary' and contains the instruction 'Confirm the setting values and click 'APPLY' button below.'. Below this, there is a list of settings: 'Standard Time Zone (GMT+09:00) Seoul, Tokyo', 'Internet setup DHCP', '2.4 GHz Wireless' (with SSID 'SherpaXM' and Password '1123456789'), '5 GHz Wireless' (with SSID 'SherpaXM_5G' and Password '1123456789'), 'Admin setup' (with Admin ID 'SherpaXM' and Admin Password '12345a'), and 'Security Code'. The 'Security Code' field contains 'baaaa' and has a refresh button and a CAPTCHA image showing 'baaaa'. At the bottom right, there are two buttons: 'PREV' and 'APPLY', with 'APPLY' highlighted in red.

- ⑨ From "Confirm the internet connection" menu, click "Finish" since this network doesn't need an internet connection.

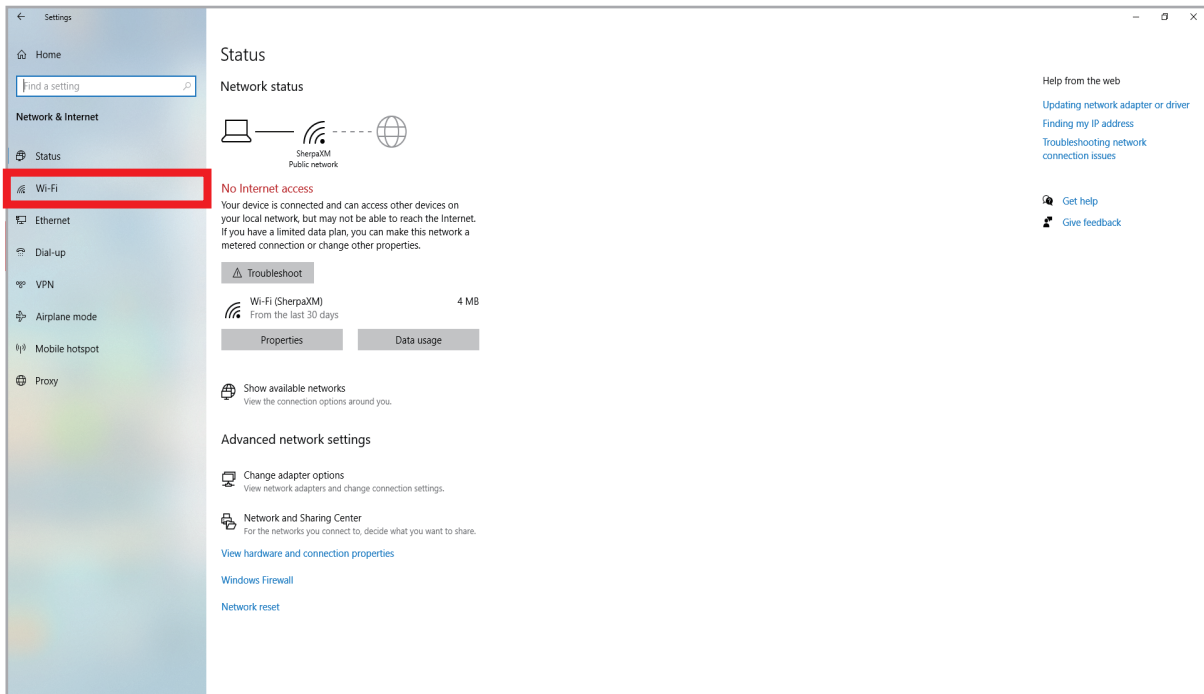


2-3-2. Network settings – PC

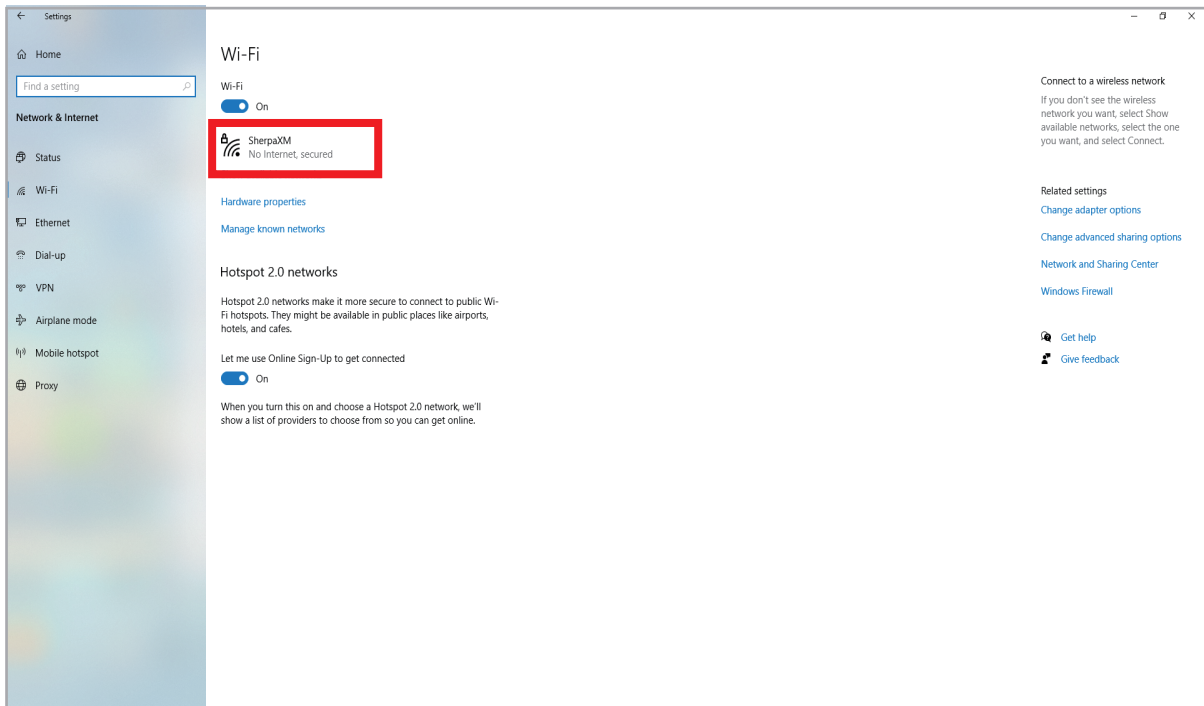
① Connect the PC to the network, Activate "Settings" and select "Network and Internet".



② When this screen is showed up, click "Wi-Fi".



③ Select the **Network's name** (SSID).

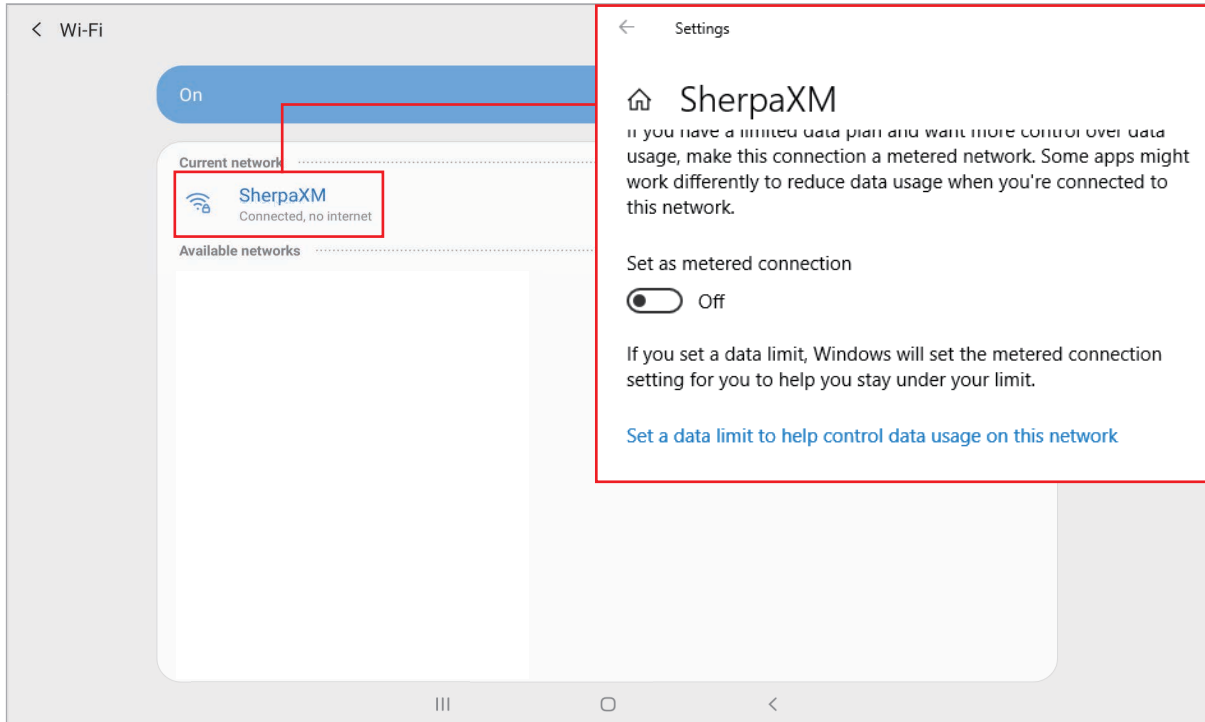



④ Scroll down the page and check the set IPv4 address.



2-3-3. Network settings – Tablet

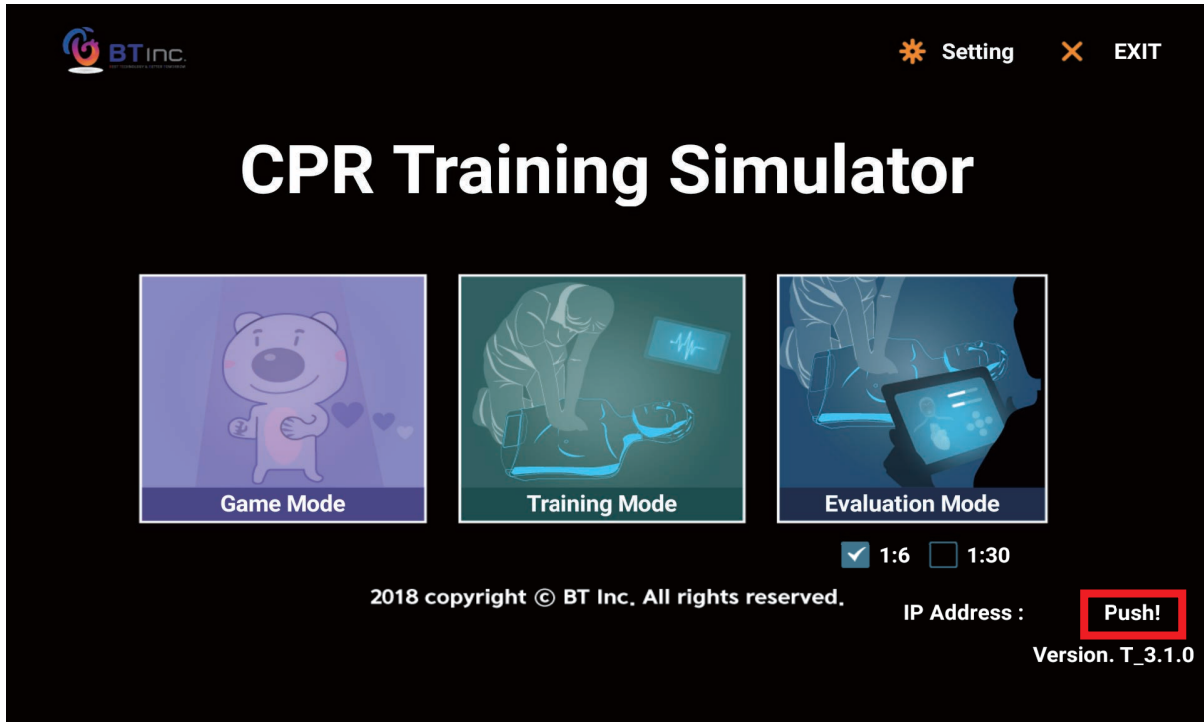
- ① When connecting the tablet to Wi-Fi network, make sure to connect to the same Network with PC.



- ② After activating Sherpa X  software, tap the Version information more than 5 times from the main screen. "Tap here" message will be displayed."

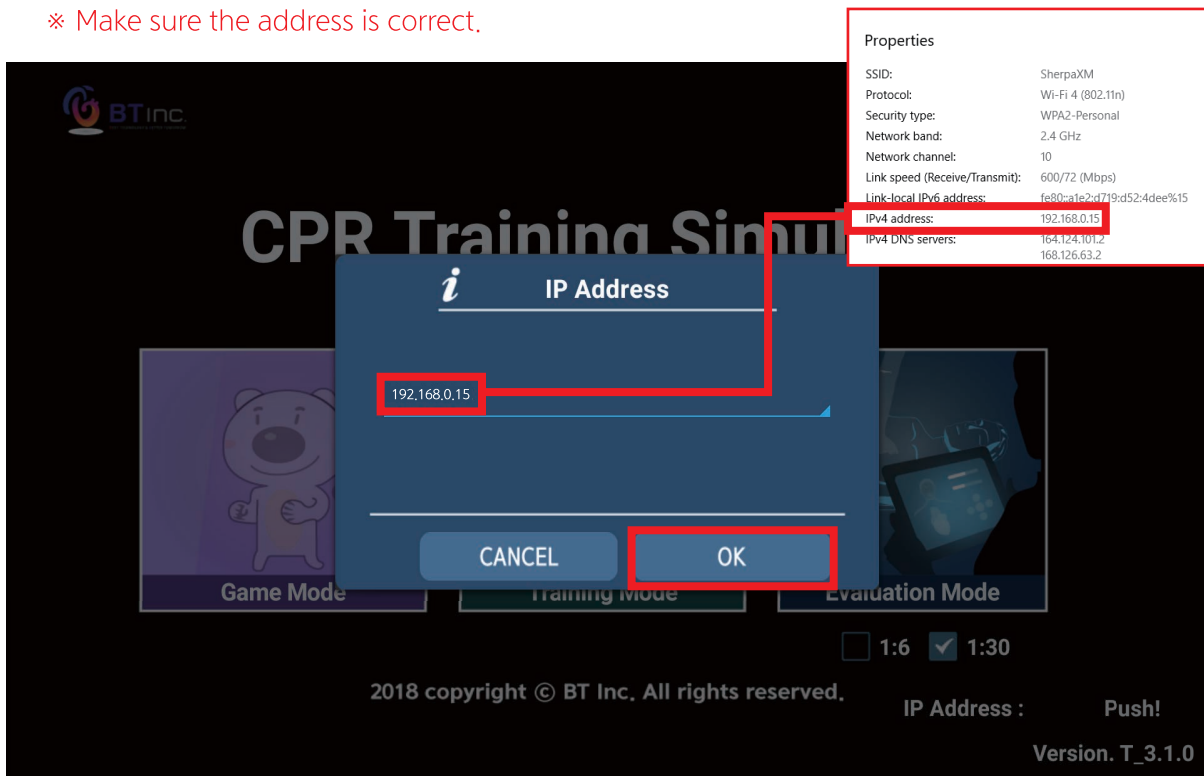


③ Tap the "Tap here" message.



④ Enter the IPv4 address that you checked while PC network setting and select "OK".


※ Make sure the address is correct.

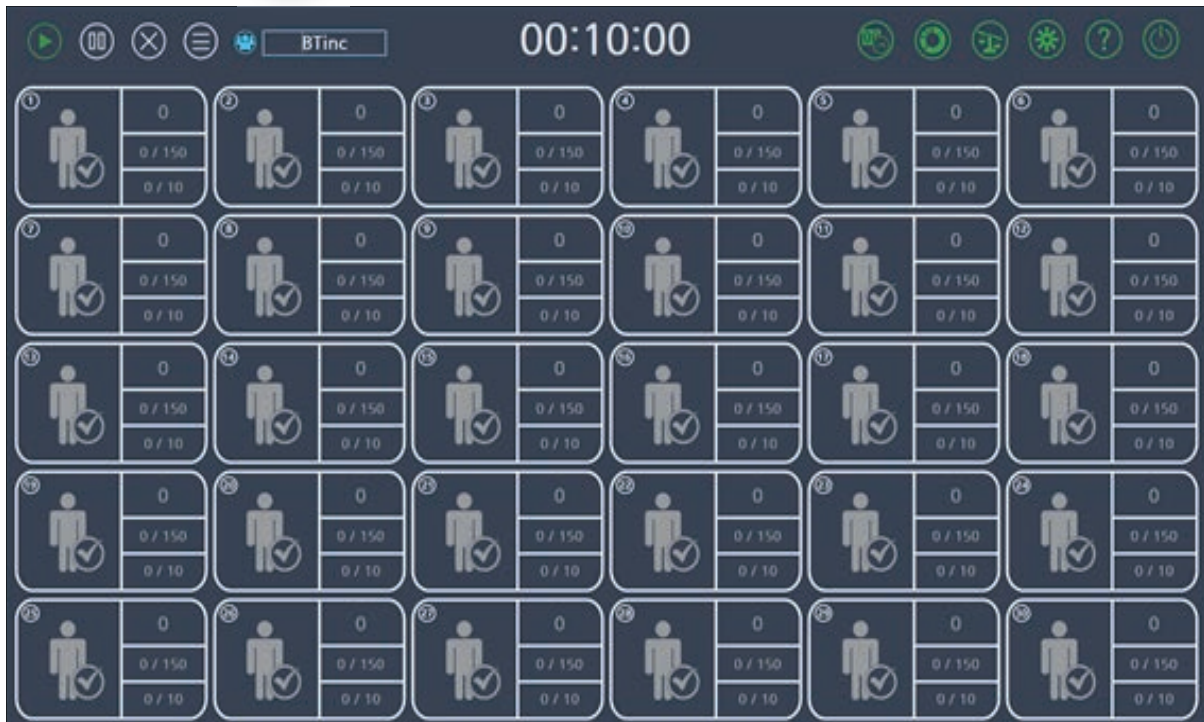



- ⑤ Select "EXIT" and restart the SherpaX  software.
(When the software  is re-started, the IP Address will be automatically hidden.)



2-4. Check settings

- ① Check the network connection between PC and Wi-Fi router.
- ② Run Sherpa-XM  software from PC.



- ③ Check the Wi-Fi connection of tablet.
- ④ Run Sherpa-XM  application and tap "Setting" icon.

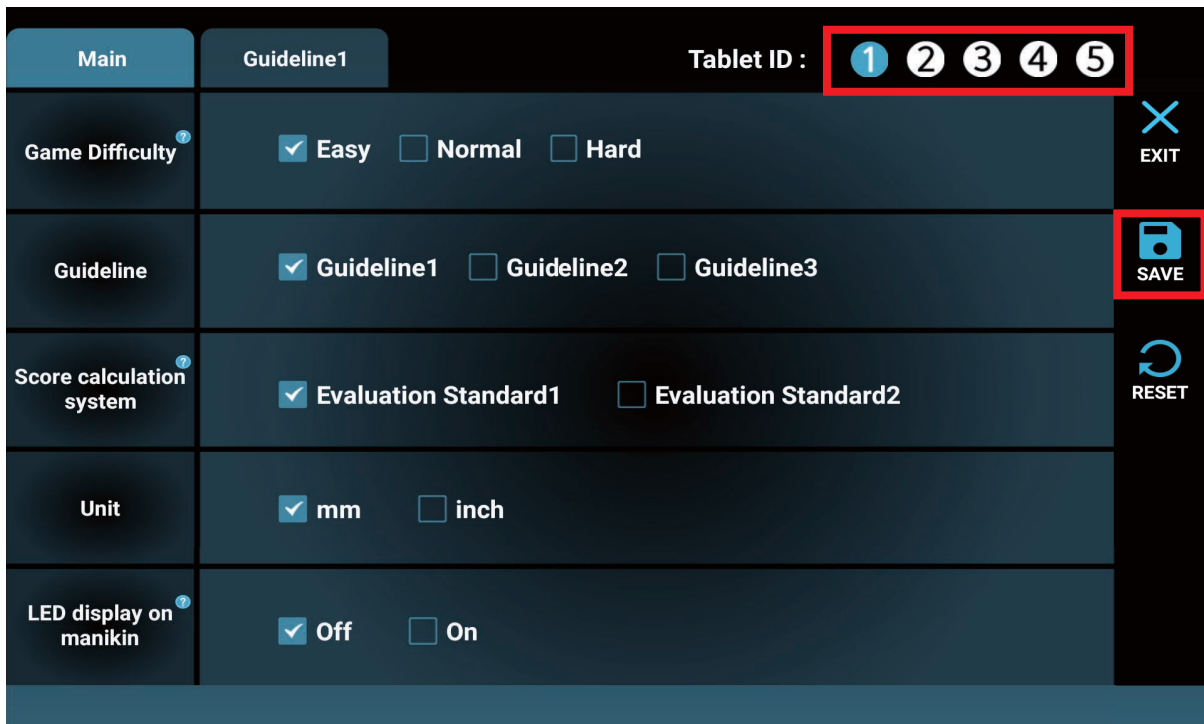


⑤ Select the number of Tablet's ID and tap "Save" icon.

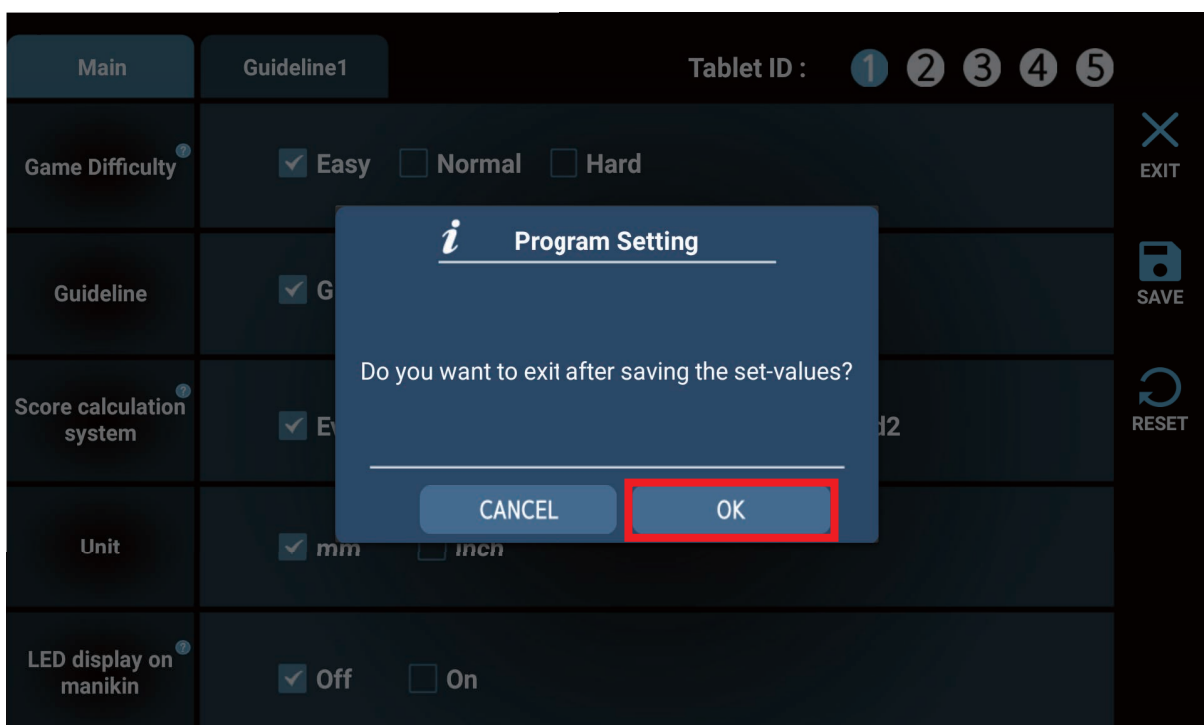
ID1 : Log-in no 1~6, ID2 : Log-in no 7~12, ID3 : Log-in no 13~18

ID4 : Log-in no. 19~24, ID5 : Log-in no. 25~30

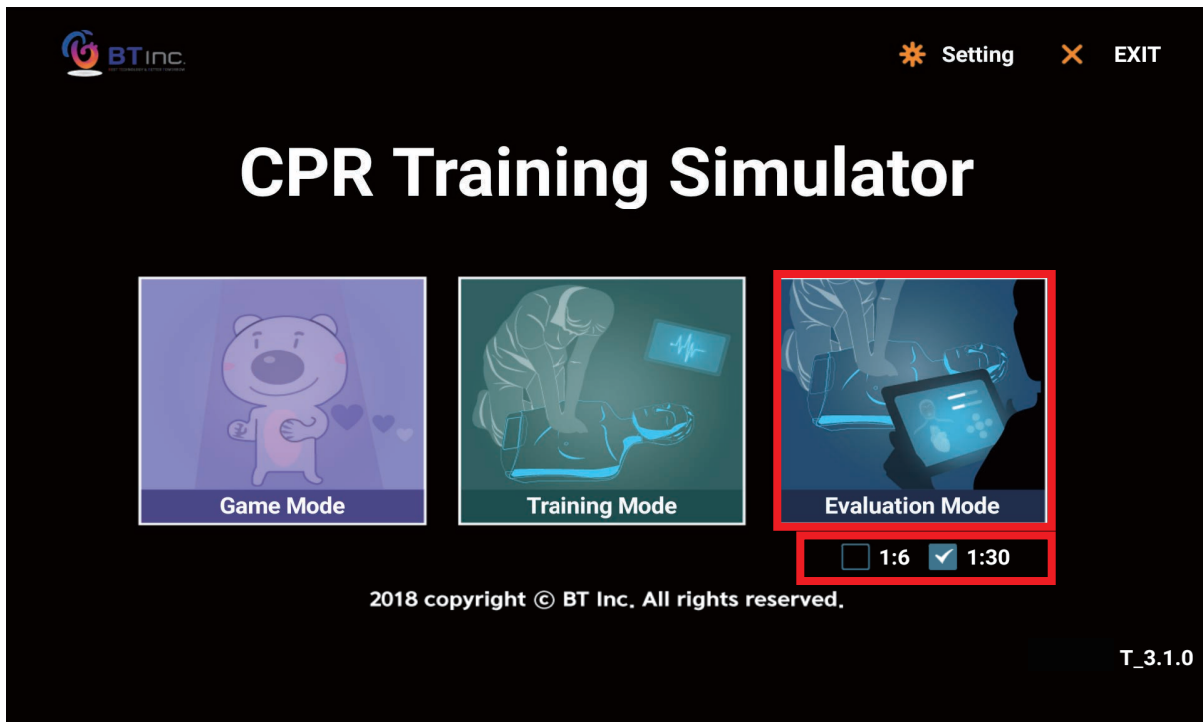
※ Up to 5 tablets can be connected to the PC and the tablet ID from each tablets must be set differently. When the same tablet ID is selected from different tablets, the software will not work appropriately.



⑥ Select "OK" icon.



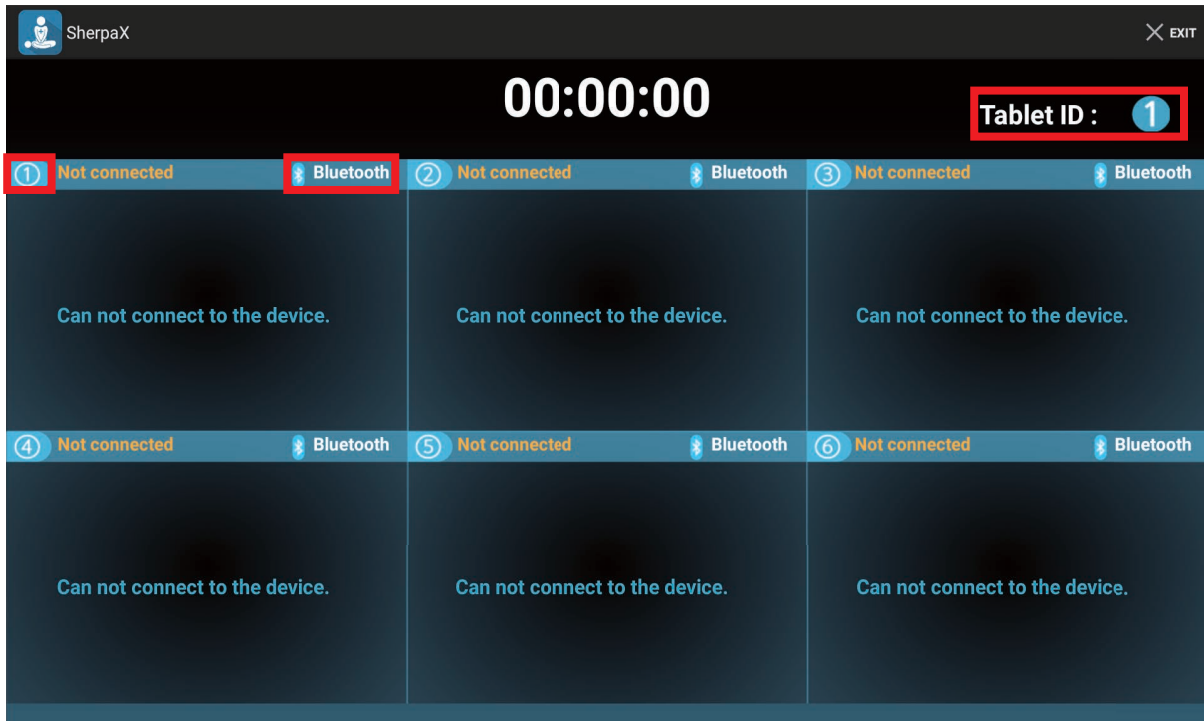
⑦ Check "1:30" button under the evaluation mode and select Evaluation mode.



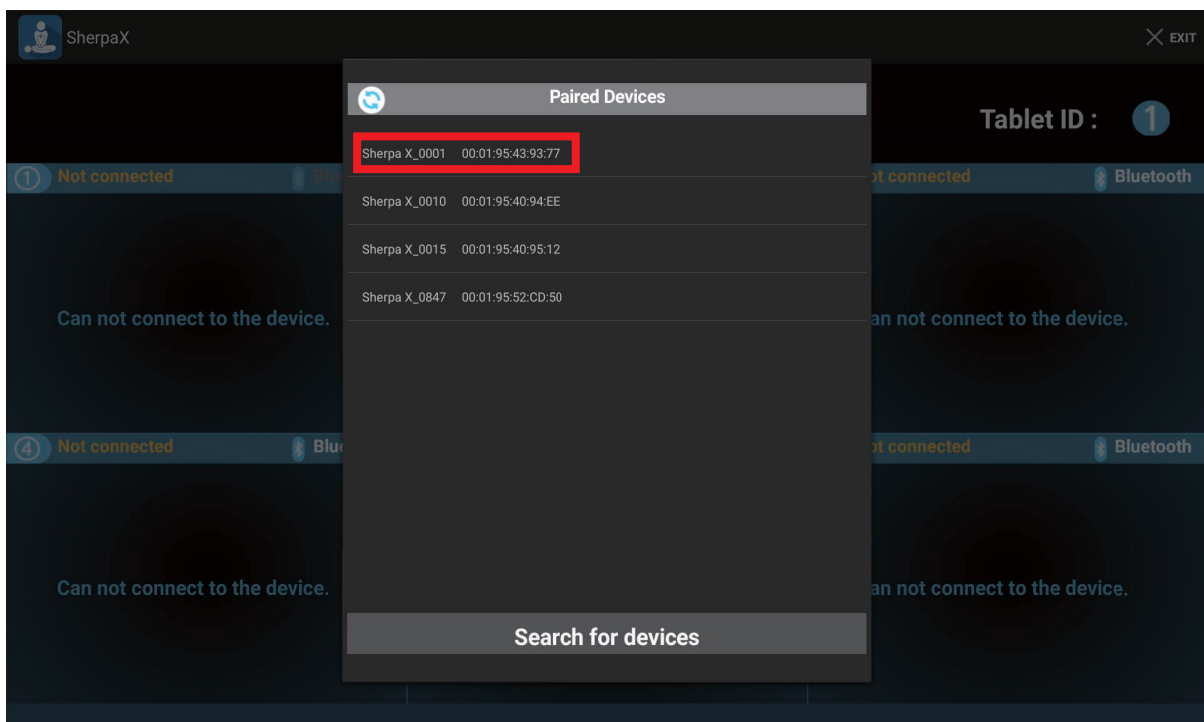
⑧ Turn the power on the Sherpa X manikin that you want to connect and check the name of the model from the sticker at the below of the display.



⑨ Check the tablet ID and the user number of each slot that you want to connect, tap "Bluetooth" icon.

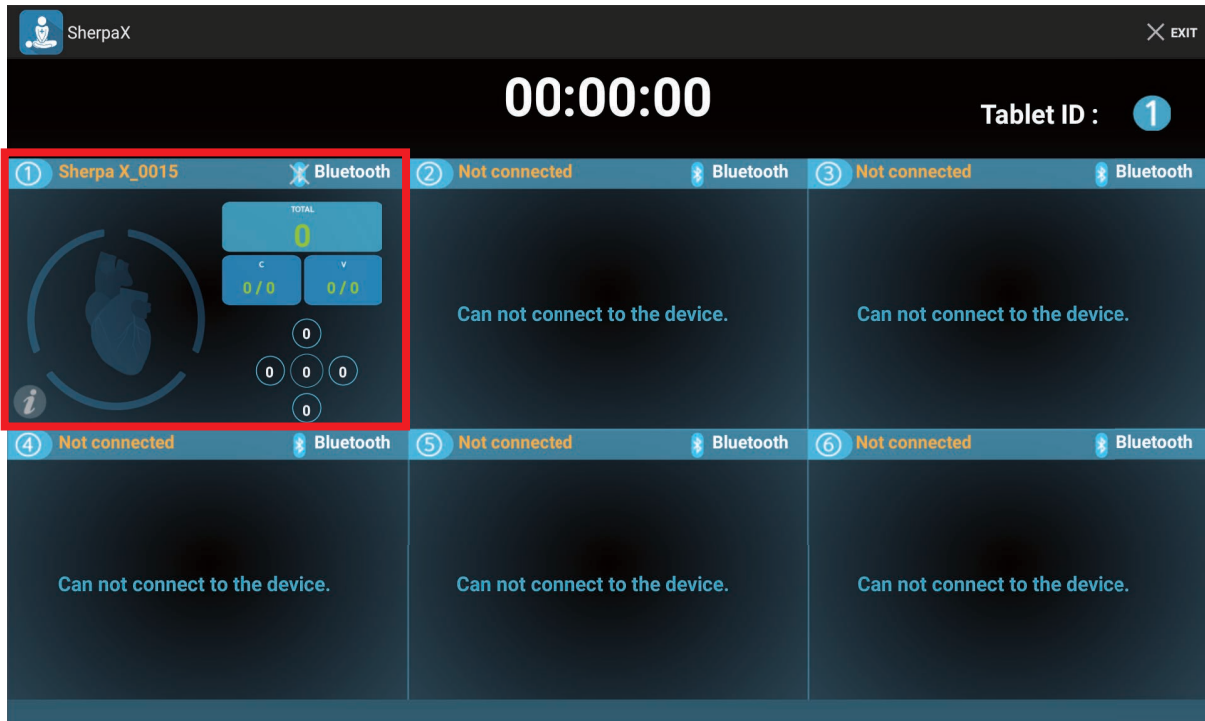


⑩ Search for the name of the model that you confirmed above at step ⑧ and select.
※ If you can't find the name of the model from the list of paired devices, you can find the device from "Search for devices".

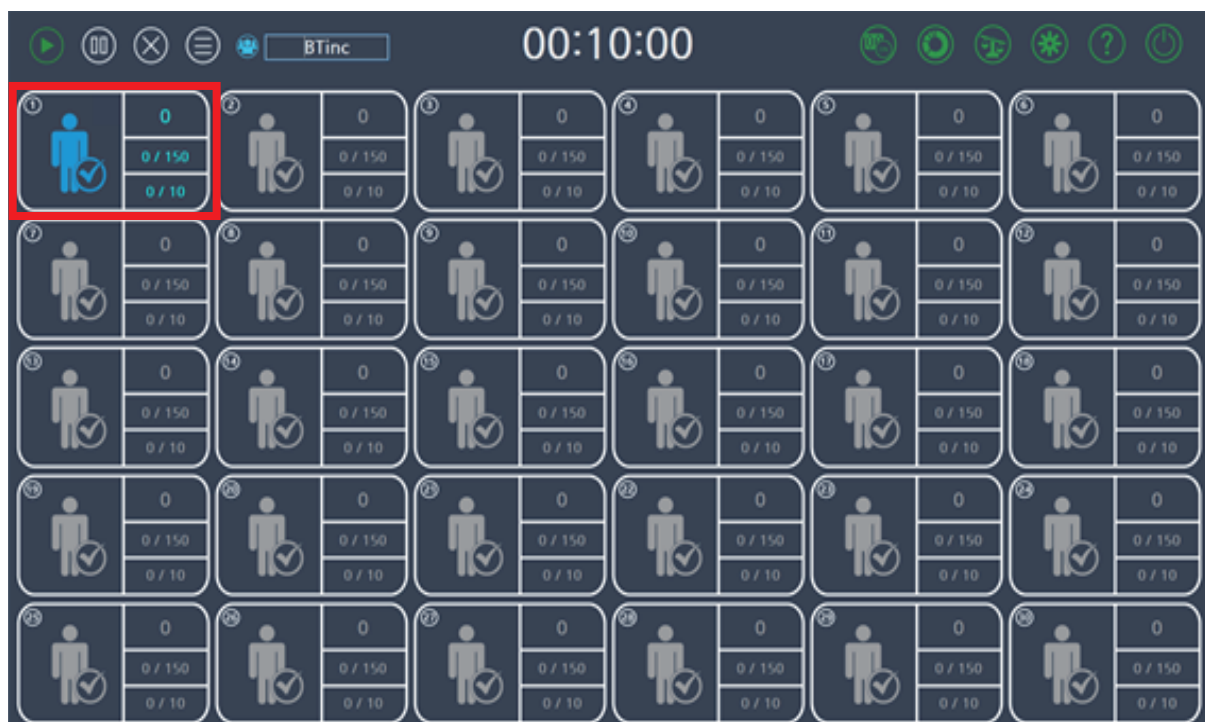


※ PIN code for Bluetooth connection : "56789"


- ⑪ When the Bluetooth is connected, Sherpa X software displays the image with the Bluetooth device name connected to the corresponding slot as shown in the following screen.

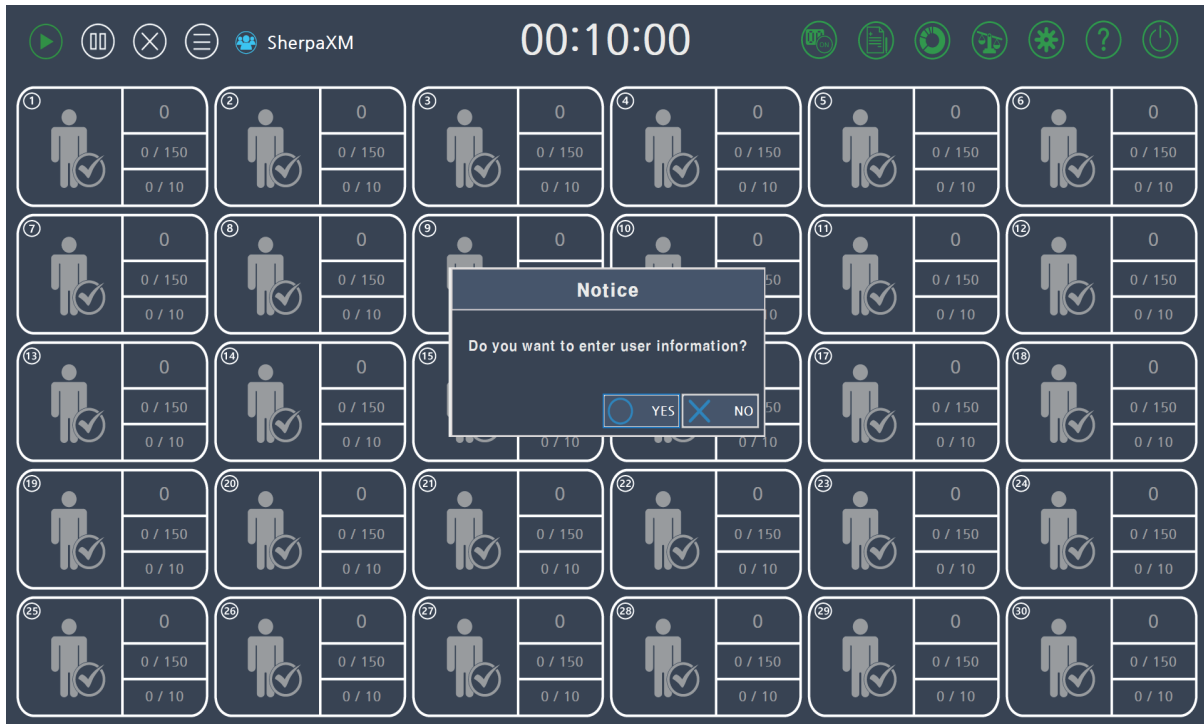


- ⑫ When the Bluetooth between Sherpa X software and the module are connected, you can also check the log-in of the ID from Sherpa-XM software. When the connection of the manikins that you want to practice with is completed, it is ready to use Sherpa-XM software.

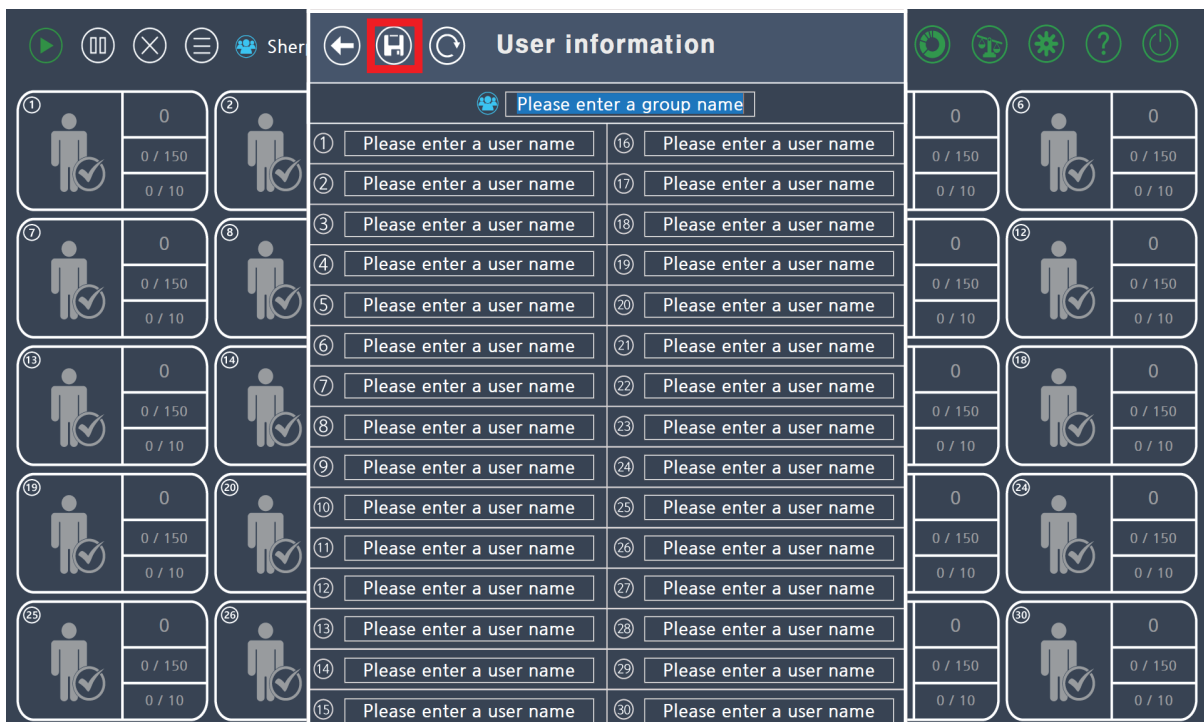


3. How to use the software

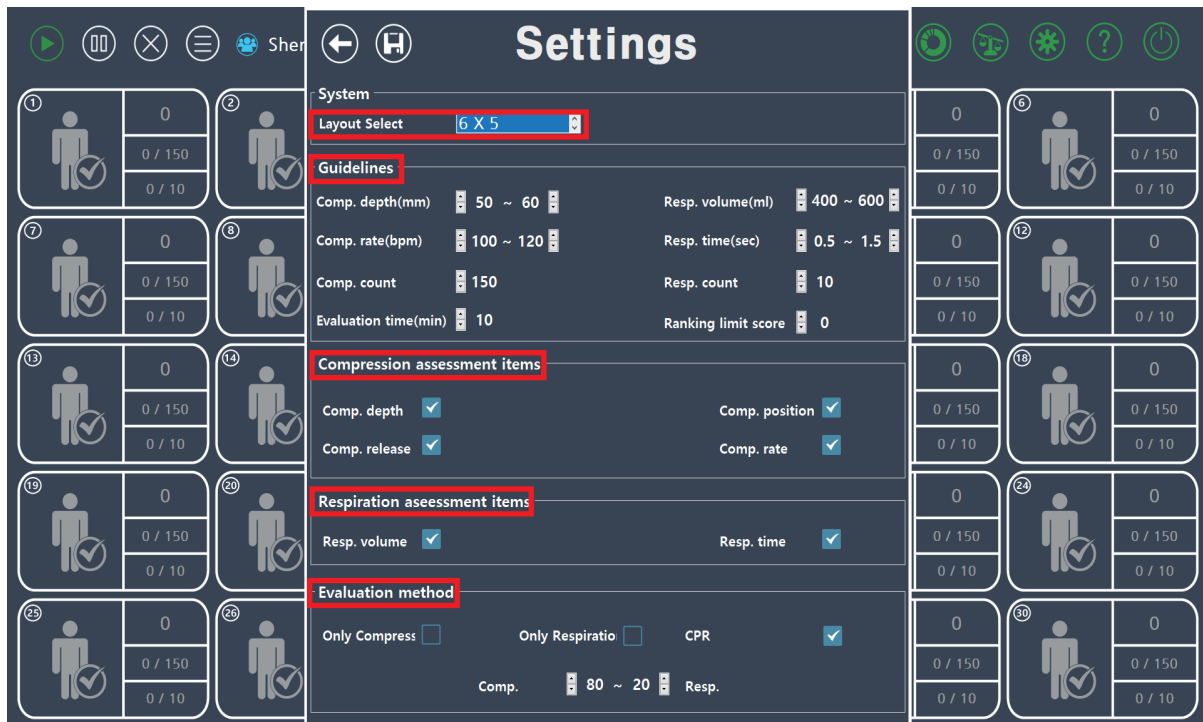
- ① When the software installation and network setting are ready, run the software by double-clicking the Sherpa-XM  icon.
- ② When you start the software, a notification will be popped-up as the picture below. It is a user-information function such as group name and user name. Select **YES** if you want to input this information and select **NO** if you don't.



- ③ Enter the information for each trainee and click the "Save" icon.



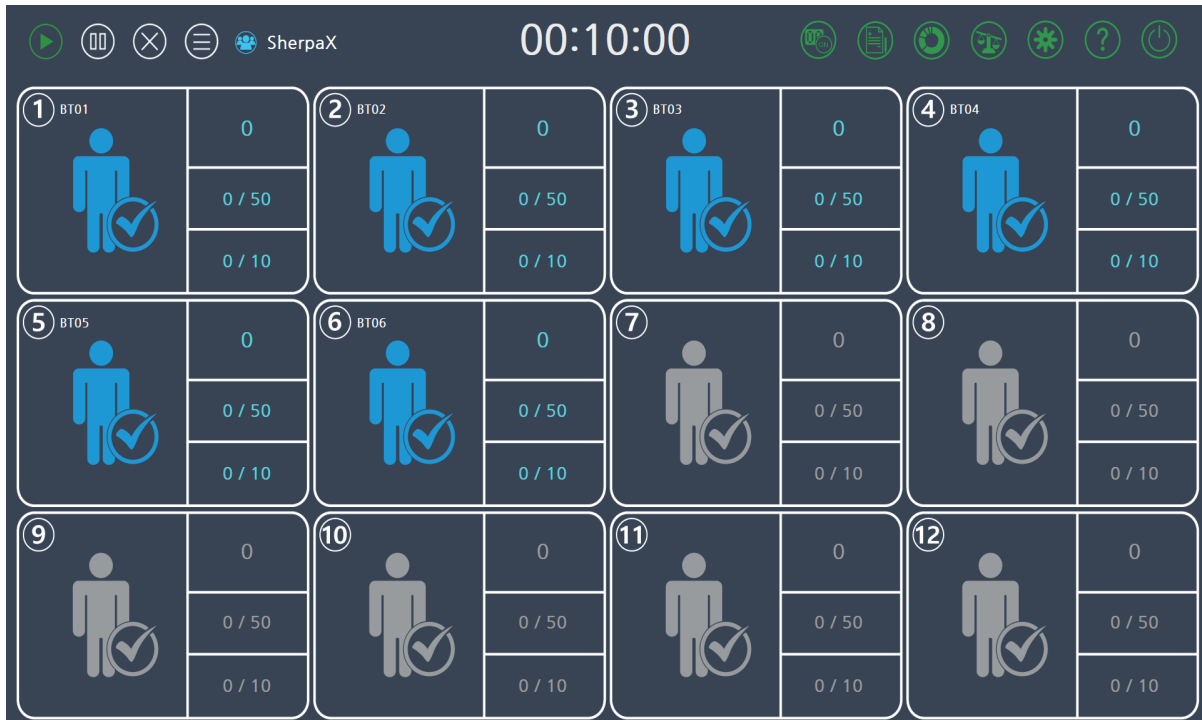
- ④ You can set the layout, guideline, evaluation list about the chest compression and ventilation and the evaluation standard.



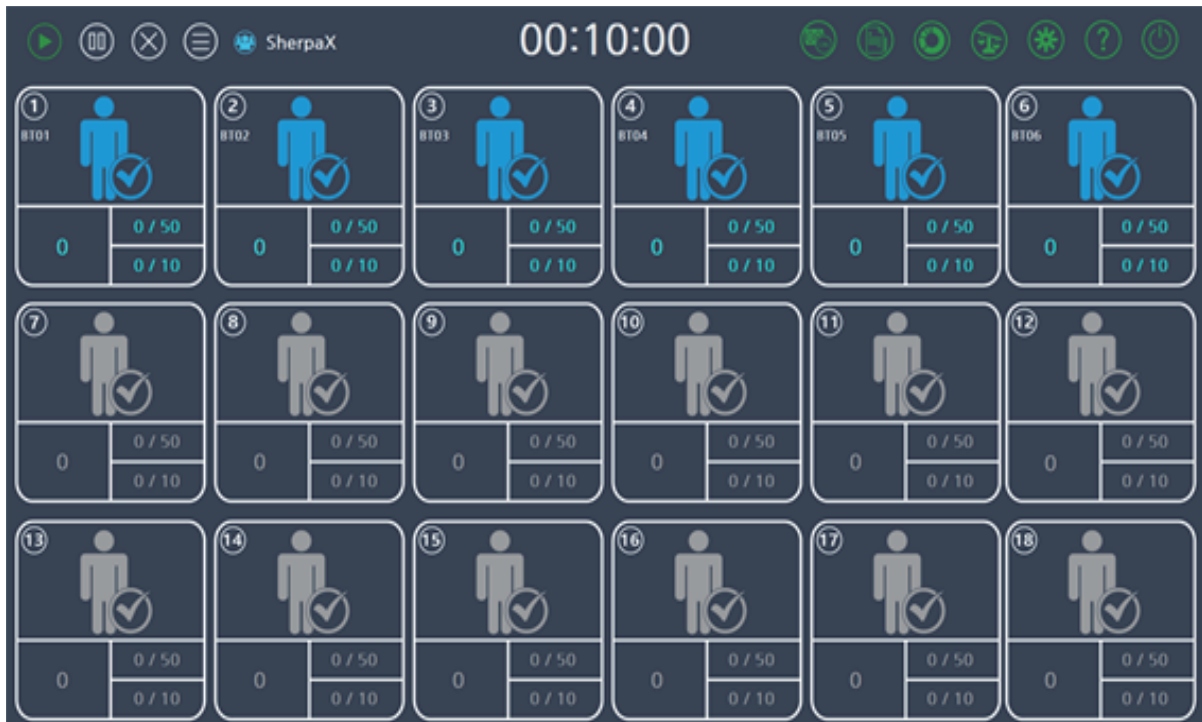
- * **Select a layout** : Select the layout of the main screen according to the number of trainees.
- * **Guideline** : Compression depth, compression rate, the number of compressions, ventilation volume, score limit for ranking (Set the minimum score to have the medal image when the score's ranking is in 1st~3rd.)
- * **Evaluation for chest compression** : Select the evaluation lists from Compression depth, hand position, incomplete recoil, compression rate.
- * **Evaluation for ventilation** : Select the evaluation lists from Ventilation volume and expiratory time.
- * **Evaluation standard** : Select one evaluation standard from chest compression, ventilation and chest compression + ventilation.

- ⑤ After changing the setting, click the "Save" icon and "Back" icon.

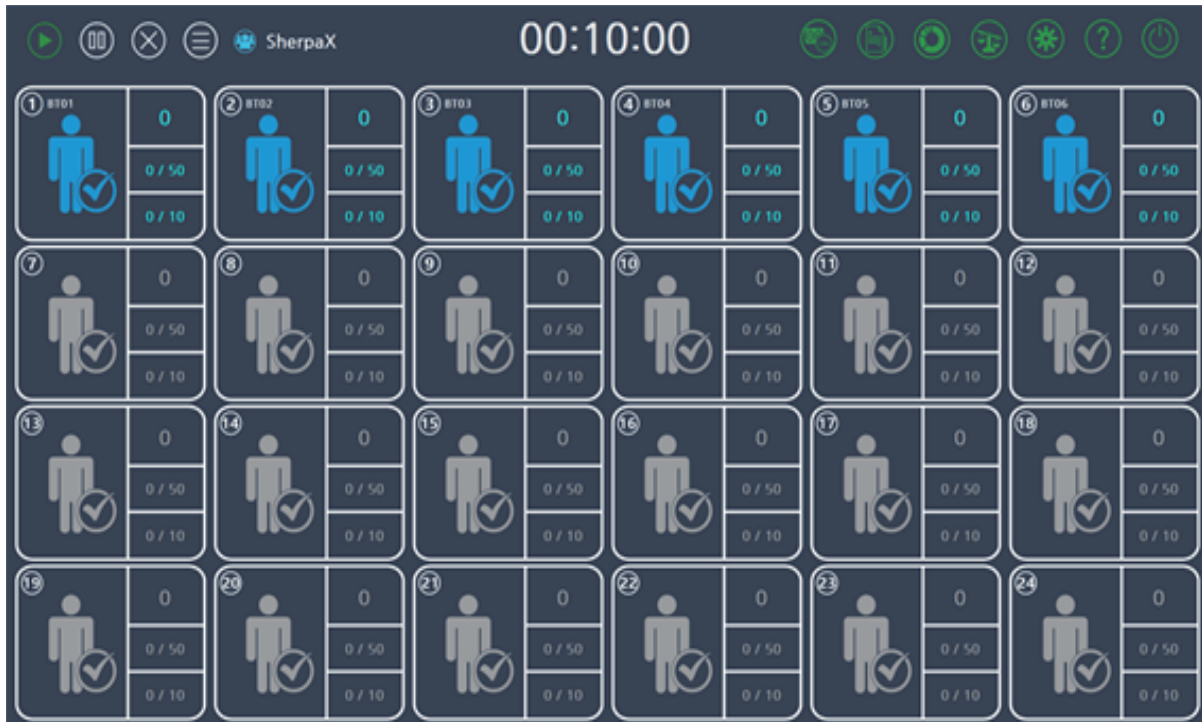
■ 4X3 Layout



■ 6X3 Layout



■ 6X4 Layout



























■ 6X5 Layout

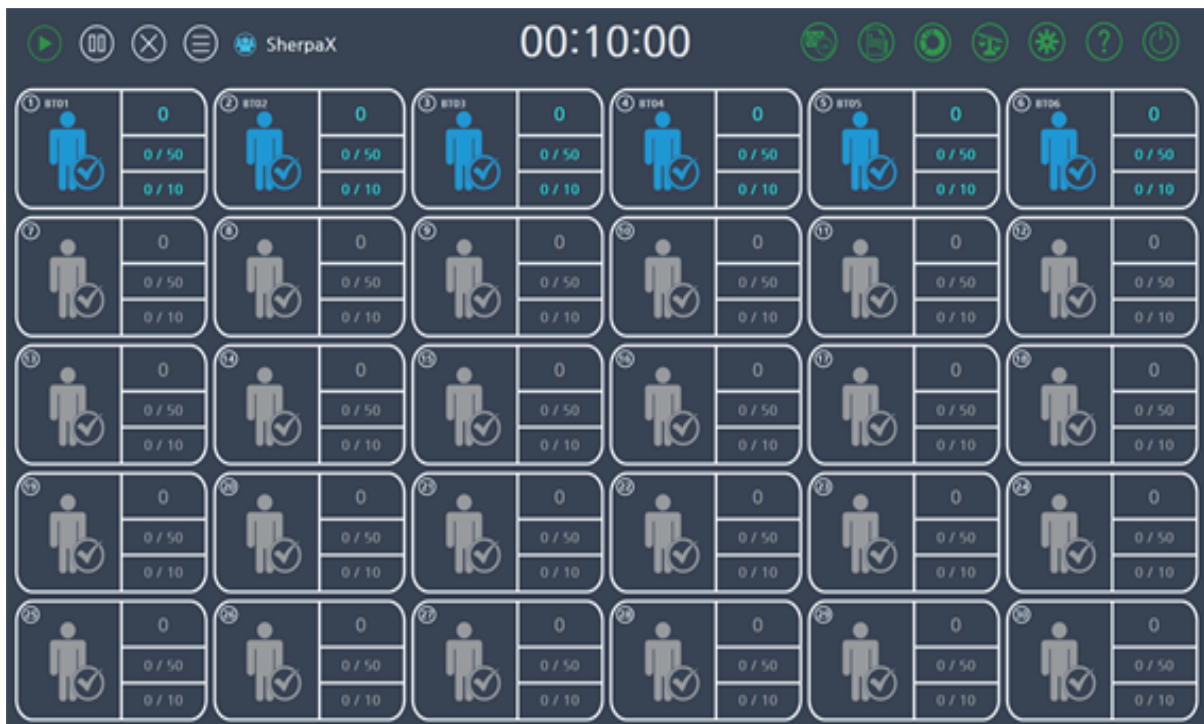



■ Description of icons

- There is a description of icons if you click the  icon at the right top of the main screen.

Icon	Description
	The Sherpa X manikin is logged-in.
	The Sherpa X manikin is logged-out.
	Good chest compression
	Bad chest compression
	Good ventilation
	Bad ventilation
	Start the training
	Pause the training
	Stop the training
	Go to the result page.
	Turn on the Sherpa-X LED display
	Turn off the Sherpa-X LED display.
	Input the user information
	Check the saved result from the database.
	Compare the training results
	Set the guide line and the evaluation list.
	Check the description of the icon images.
	Exit the software.
	Go to the previous screen.
	Save the setting information.
	Save the training result as an Excel format.
	Save the training result as an image file format.
	Initialize the user information.

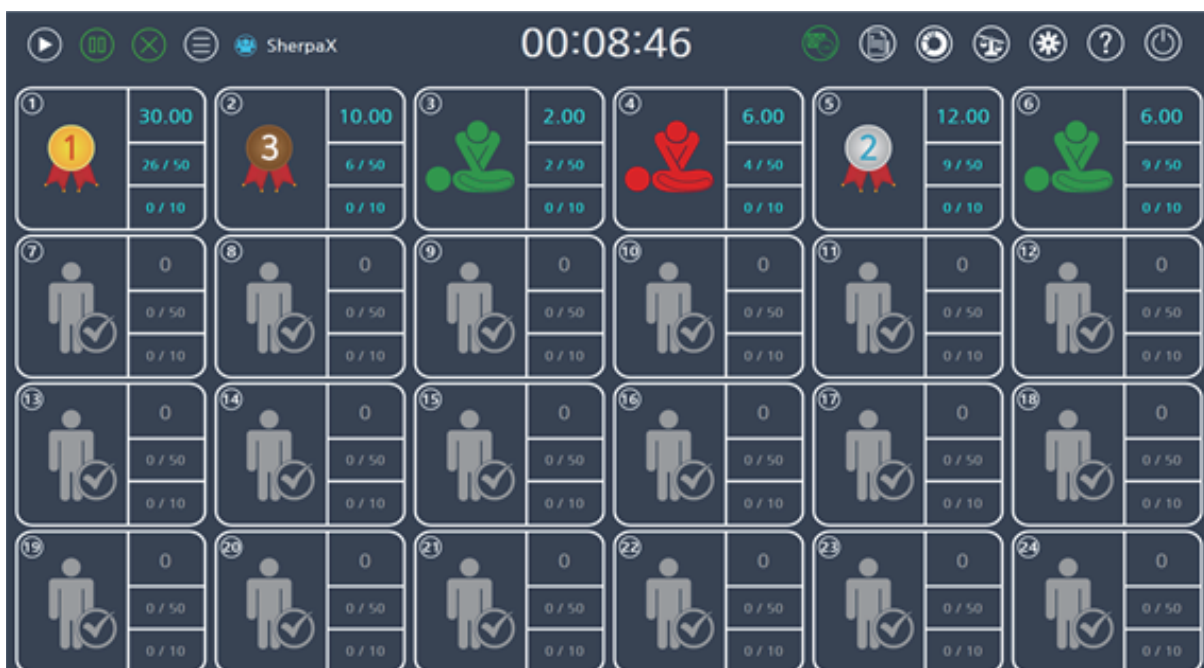
- ⑥ Turn the Sherpa X module on and run the Sherpa X  software. Make sure the 1:30 option is checked and start the "Evaluation mode". When Sherpa X module and Sherpa X software are connected, each user image is being activated with the name previously set on the PC as shown the picture at below.



- ⑦ Click "Start"  icon and begin the training.

Trainees ranked 1st~3rd will display medal images according to its ranking and trainees from 4th will have the feedback images of compression and ventilation feedback as good or not.

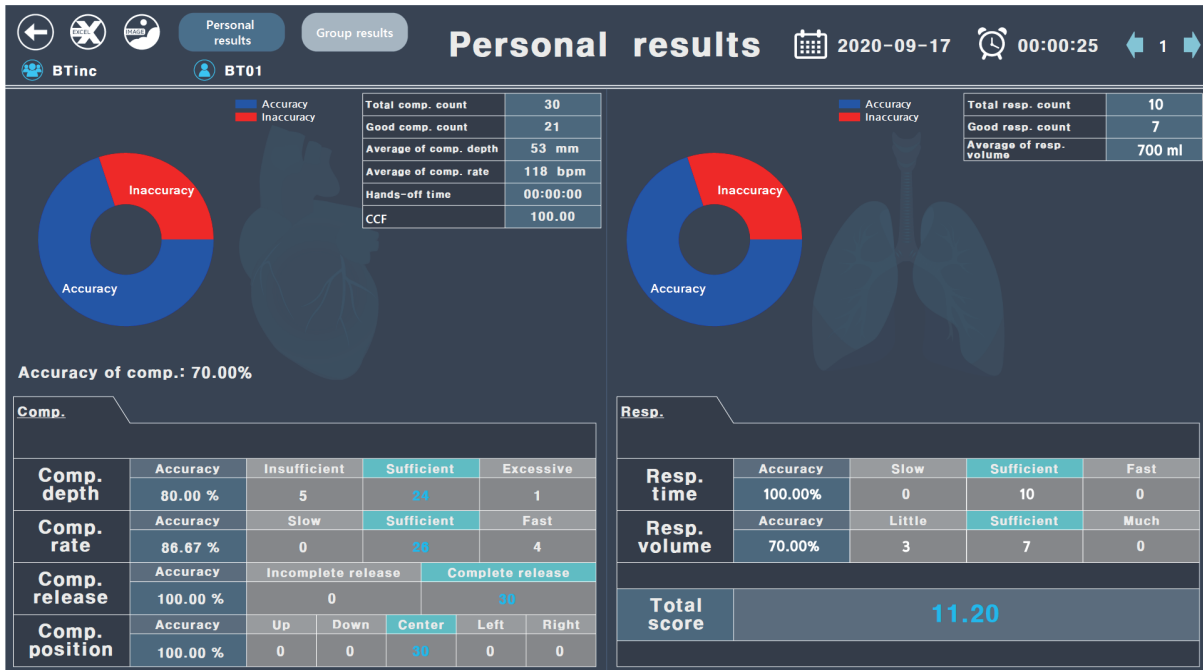
- * The ranking is displayed when the trainee's score is above the score limit.
- * The score, the number of compression rate and ventilation compare to the guideline are displayed.
- * You can pause the evaluation in case you need.



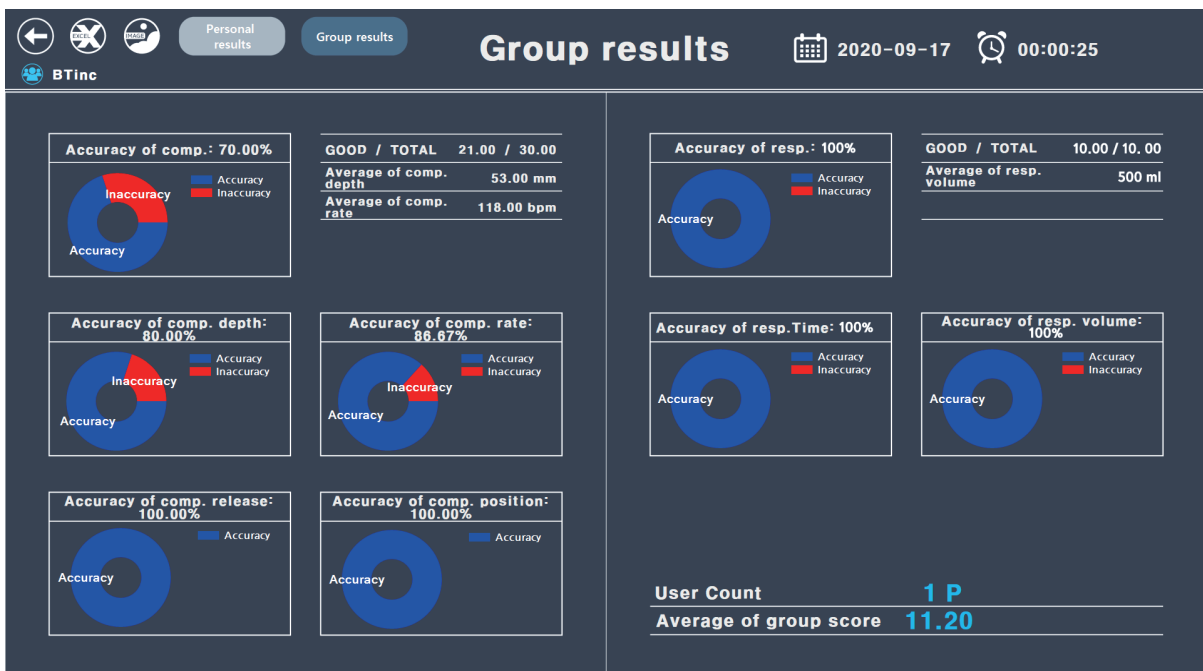
- ⑧ Click "EXIT"  icon when the evaluation is completed.

⑨ You can check the result screen when the "Result"  icon is selected.

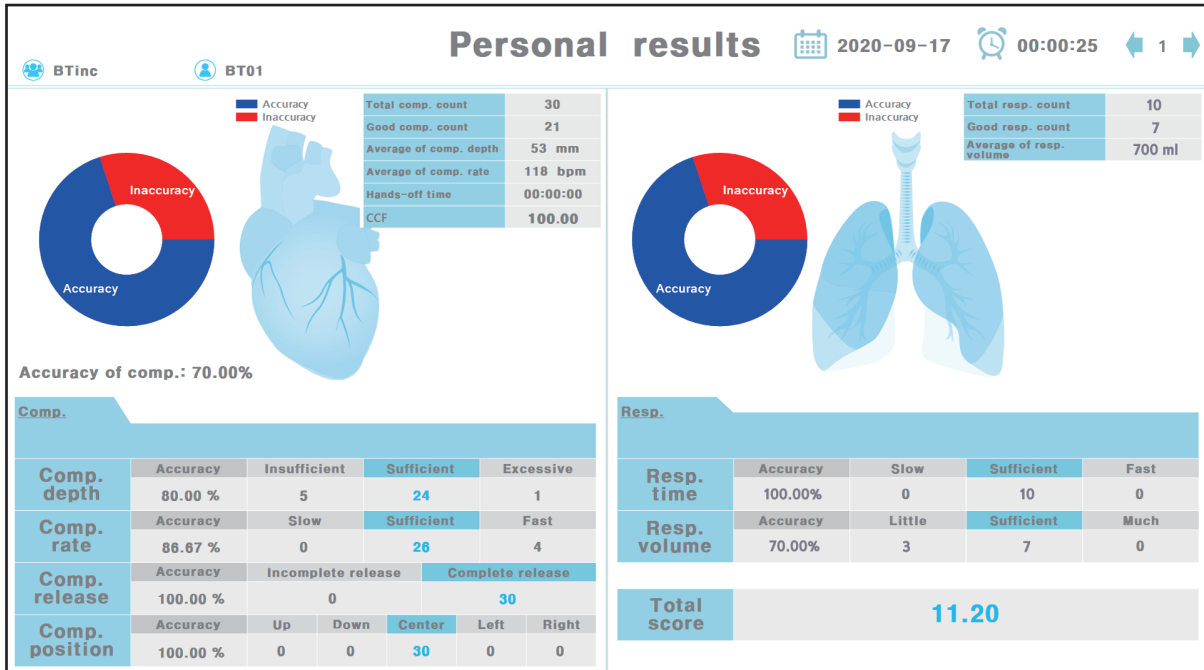
* Individual result : Total score, information about average data & number, accuracy of each individual trainees



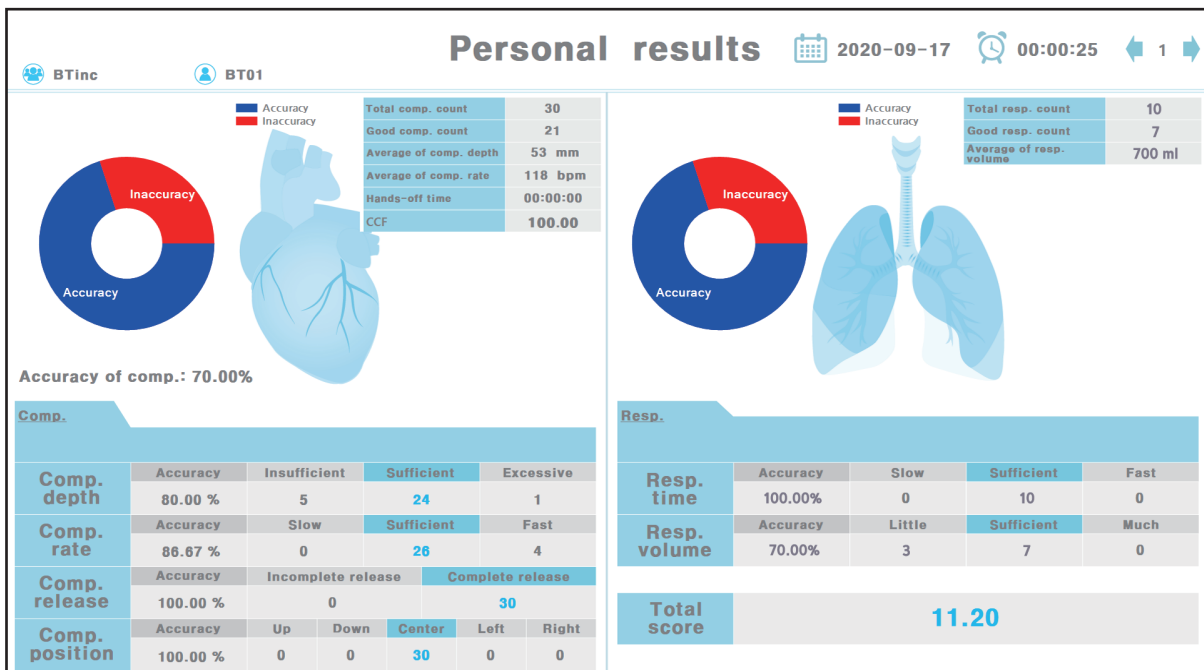
* Group result : Total score, information about average data & number, accuracy of the group



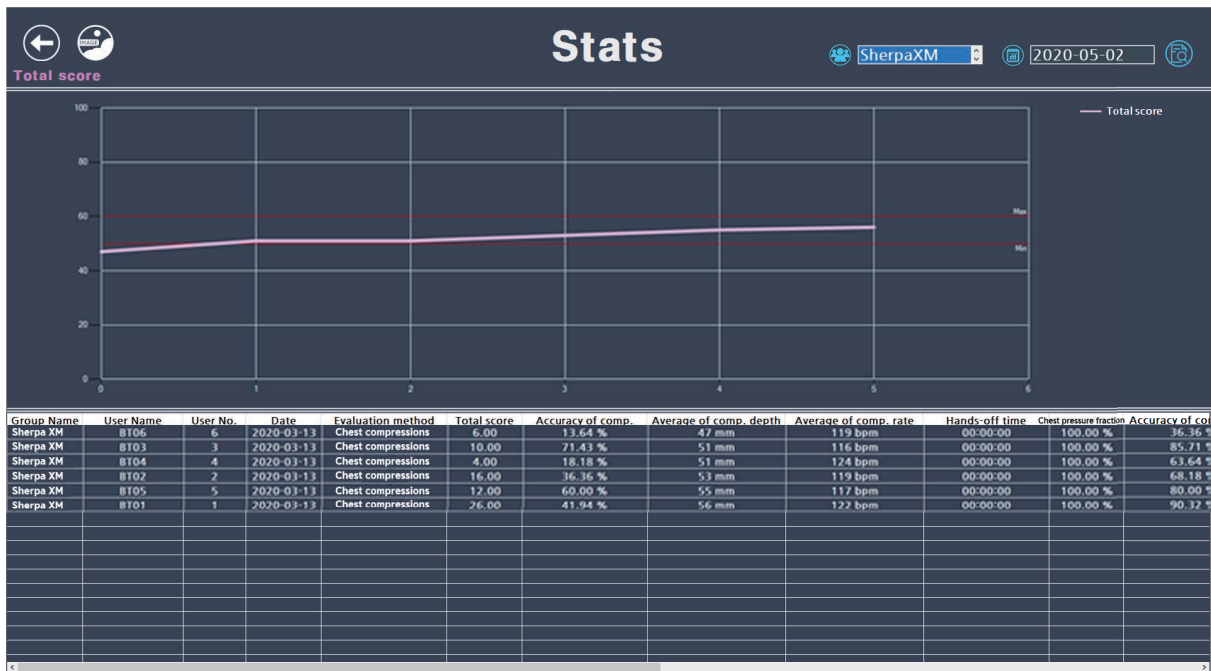
- * **Save as an image file format** : Save the individual and group result as an image file format automatically. (For the user's convenience, the background color will be changed to white.)
- The individual result in image format is saved in `C:\SherpaX_Result\CaptureImage\UserResult\` according to the evaluation date.



- The group result in image format is saved in `C:\SherpaX_Result\CaptureImage\GroupResult\` according to the evaluation date.

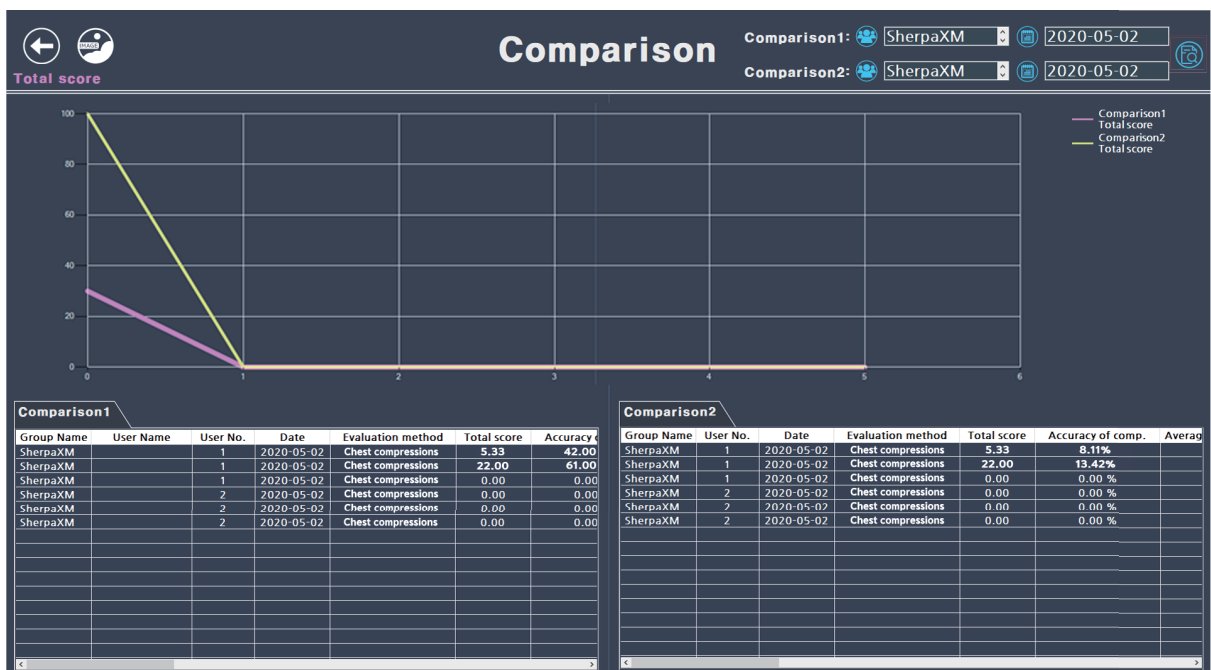


⑩ **Statistics** : Make a statistic with saved data by group name and evaluation date as a graph



* Click the name of item that you would like to make a statistic and the relevant graph will be shown.

⑪ **Comparison** : Make a comparison graph by selecting the Subject 1 and Subject 2 according to its group name and evaluation date from the saved data and clicking the search icon.



CPR Training Model

Sherpa-XM

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