

 This guide is provided for medical professionals who are knowledgeable about the device function (and its accessories). Professionals are expected to study User Manual beforehand.

 For more information about the device, please refer to the User Manual.



SAHAND Central System



Silence:

Pressing Silence button on the taskbar will disable alarm sound. If a new alarm occurs, the alarm sound will be activated automatically.

Home:

Pressing Home button on the taskbar will close all menus and display the main screen.

Setting:

Pressing Setting button on the taskbar will open a window with four tabs.

- View mode or configuration of bed windows is selected in View tab.
- Recorder/printer settings (speed, time and etc) are performed in Recorder tab.
- The system settings (Date & time, language, thickness of waveform tracing, screen size and system sound) are performed in Setup tab.

History

Pressing History button on the taskbar will open a window with three tabs.

- **Record list tab:** Recording information can be observed in this tab. In addition, the recording priorities can be changed or the recording can be stopped temporarily.
- **Alarm History tab:** HR alarm information of different bed windows can be observed in this tab. These information include time, date, on/off status of HR alarm, HR alarm limits and alarm silence status.

PACS

Pressing PACS button on the taskbar will open a window through which you can connect to PACS server. There is a button for each bed to send data to PACS server. The button will only be active if Patient ID has been defined in Patient Info menu of the respective bedside and the bedside is connected to the central system.

- Pressing an active button will send ECG data and corresponding Trend data of respective bedside to PACS server for 10 seconds.
- Pressing View button will open a browser to make connection with PACS server and display DICOM files.

Help

Pressing Help button on the taskbar will open Help page in which you can get information about different parts of the system.

✓ This button is available in all bed windows.

Freeze

Touching Waveform area will freeze all dynamic waveforms. In this condition “Frozen” is displayed in the waveform area. Touching the frozen waveforms will unfreeze them and remove “Frozen” message.

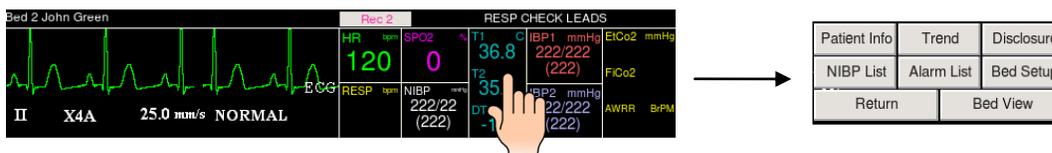


ParamMenu

Touching Parameter area in each bed window will open ParamMenu. This menu includes the following items:

Patient Info, Disclosure, Trend, NIBP list, Alarm list, Bed Setup, Bed view and Return

✓ To make any change in settings of ParamMenu items, press Save button and then select Home button to return to the main screen.



1-Patient Info:

Selecting "Patient Info" will enable you to modify patient information and discharge a patient.

2-Disclosure:

Selecting "Disclosure" will enable you to review up to 48 hours of ECG waveform and numeric parameters. You can also refresh, search, record/print the disclosure data or review data of a specific time.

3- Trend:

Selecting "Trend" will open a window with the following tabs:

- **Trend Graph:**

You can review up to 96 hours of parameters values in the trend graph. You can also refresh, search, record/print the trend data or review data of a specific time.

- **Trend Table:**

You can review up to 96 hours of parameters values with interval of 1 sec in the trend table.

4- NIBP List

Selecting "NIBP List" will enable you to review up to 1000 NIBP measurements. You can also delete and record / print the NIBP list data.

Date, time, HR, SYS/DIA (MAP) values and measurement error message are displayed in the NIBP list.

5- Alarm List

Selecting "Alarm List" will enable you to review up to 720 alarm events for each patient. You can also view alarm details via the disclosure page, return to the alarm list and record/ print ECG alarm.

Date, time, alarm message and alarm level are displayed in the Alarm list.

6-Bed Setup

Selecting "Bed Setup" will open a page with two "Bed Setting" and "View Setting" tabs.

- **Bed Setting**

This tab allows you to set the following items:

ECG Gain, ECG Speed, HR Alarm ON or OFF, HR Alarm Low limit, HR Alarm High limit, Periodic Record, Exchange Bed, Alarm Record, Freeze Record, Arrhythmia to PACS

- **View Setting**

This tab allows you to set the following items:

1- Waveforms, 2- Parameters, 3- Waveforms/parameters color

7- Bed View

Selecting "Bed View" will enable you to view a bed window in larger size on the second display.

- ✓ The Bed View button is inactive in the view modes with structure A×B Beds + A×B Beds.



General Warnings

- ✓ The vital signs central monitoring is intended for use only as an adjunct in patient assessment. It must be used in conjunction with clinical signs and symptoms.
- ✓ The system beeps when it is turned on to ensure that the alarm system functions correctly.
- ✓ Never place sensitive devices to noise near the Central system.
- ✓ To avoid explosion hazard, do not use the Central system in the presence of flammable gases.
- ✓ To prevent unexpected errors or consequences of a sudden power failure, it is essentially required that the Central system be equipped with an UPS.

Frequently Asked Questions

- Why various NIBP values are displayed on the bedside and the Central system?
NIBP unit has been set differently in the bedside and the Central system.
- Why the system records automatically?
"Alarm Record" or "Periodic Record" has been enabled in Bed Setup menu of the respective bed window.
- Is the saved data lost by the power failure?
No, data is not lost by the power failure.
- Is it possible to use a larger screen in addition to the existing screens?
Yes, it is possible.