

Panorama[®]

Alarm Setup

mindray

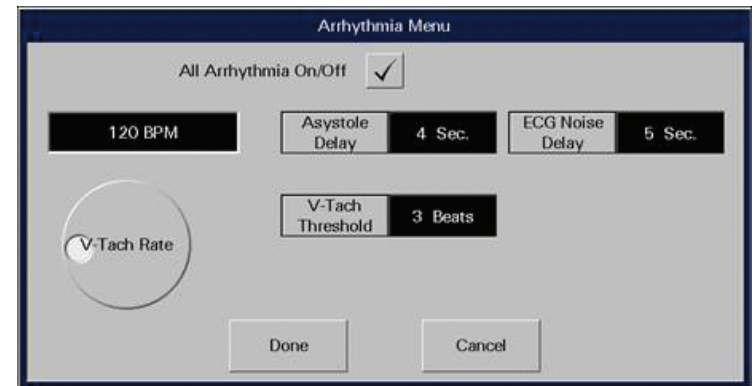
Objectives

- How to use alarm limits and parameter settings
- Understand the relationship between alarm settings and alarm responses

Arrhythmia Sidebar Button (Optional)

When the assigned device for the selected tile is an **Ambulatory Telepack** the arrhythmia algorithm is enabled at the Panorama Central Station.

When the assigned device for the selected tile is a **bedside monitor**, enabling/disabling arrhythmia analysis must be done using the “Patient Setup” menu in the bedside monitor. Refer to the bedside monitor operator’s manual for details.



To adjust Arrhythmia settings

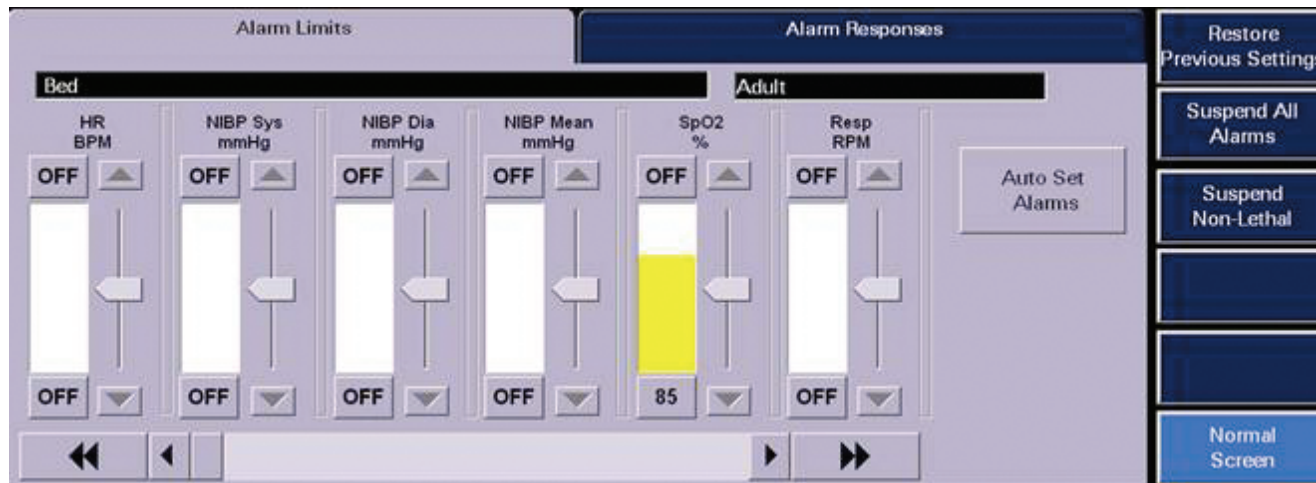
- Select **PATIENT SETUP** menu button
- Select **DEMOGRAPHICS** tab
- Select the patient's tile
- Select **ARRHYTHMIA** sidebar button
 - Arrhythmia checkbox: Select the Arrhythmia checkbox to enable/disable the arrhythmia analysis when the assigned device for the selected tile is an Ambulatory Telepack. A checked Arrhythmia checkbox means that arrhythmia analysis is enabled. This checkbox will not appear when the assigned device for the selected tile is a bedside monitor.
 - **V-Tach Rate:** establishes the heart rate required for V-Tach alarm to be called
 - **V-Tach Threshold:** establishes the number of consecutive PVCs required for V-Tach alarm to be called
 - **Asystole Delay:** establishes the delay period for an Asystole event alarm to be called
 - **ECG Noise Delay:** establishes the delay in the notification of ECG Noise
 - Select **DONE** to enter adjustments made in the Arrhythmia dialog

When Arrhythmia Analysis is Enabled

A ✓ mark appears on the Arrhythmia checkbox

An **A** is placed in the HR digital parameter tile for the selected patient

Patient Alarms Menu Button





Patient Alarms Setup Tab

A password may be required to access the Patient Alarms tabs

Please consult your system administrator for details



Alarm Limits Tab – To Adjust Alarm Limits

- Select **PATIENT ALARMS** menu button
- Select the patient tile
- Select **ALARM LIMITS** tab
- Select the Parameter to be adjusted using the  or  buttons
- Select the **“High”** (upper) or **“Low”** (lower) alarm limit button
- Use the up and down arrows or drag and drop the scroll box in the slider control to change the limit to the desired value

Bidirectional

Changing alarm limits at the Panorama Central Station will automatically change alarm limits on the bedside monitor and changing alarm limits at the bedside monitor will automatically change alarm limits on the Panorama Central Station

Note: Simultaneous Patient Alarm Limits Editing

If using a bedside monitor with the Panorama Central Station, patient alarm limit changes cannot be made at the bedside and at the central station simultaneously

Refer to the Panorama Central Station Operator's Manual for further details

Auto Set Button

Selecting **“Auto Set”** automatically recalculates the alarm limits for most parameters based on their current values, varying from 3 – 30%

Please see the Panorama Operator’s Manual for complete details

Restore Previous Settings Sidebar Button

This sidebar button will return the settings to the ones assigned prior to opening the tab

Suspend All Alarms Sidebar Button (Optional)

If available, selecting "**Suspend all alarms**" suspends ALL alarms on the selected patient including lethal arrhythmias

To Suspend All Alarms

- Select **PATIENT ALARMS** menu button
- Select the patient tile
- Select **ALARM LIMITS** tab
- Select **SUSPEND ALL ALARMS** to suspend all alarms

Suspend All Alarms Sidebar Button (Optional)

The message **All Alarms Suspended** shall be displayed in the selected patient's tile and the **SUSPEND ALL ALARMS** sidebar button will turn white when the function has been enabled.

Note: When in an **All Alarm Suspended** mode, **no alarm notification of any kind** will occur at the Panorama Central Station for the selected patient tile.

Selecting the **SUSPEND ALL ALARMS** sidebar button a second time will turn the button blue again, will disable the function, remove the All Alarms Suspended message from the patient tile, and resume all configured alarm notifications.

Suspend Non-Lethals Sidebar Button

Selecting “**Suspend Non-Lethal Alarms**” suspends all alarms on a selected patient **except** alarms with a priority 1

To Suspend All Non-Priority 1 Alarms

- Select **PATIENT ALARMS** menu button
- Select the patient tile
- Select **ALARM LIMITS** tab
- Select **SUSPEND NON-LETHALS** to suspend all non-lethal alarms

Suspend Non-Lethals Sidebar Button

The message **Non-Lethal Alarms Suspended** shall be displayed in the selected patient's tile and the **SUSPEND NON-LETHALS** sidebar button will turn white when the function has been enabled

Note: When in a **Non-Lethal Alarms Suspended** mode, only Lethal alarms will produce alarm notification at the Panorama Central Station for the selected patient tile

Selecting the **SUSPEND NON-LETHALS** sidebar button a second time will turn the button blue again, will disable the function, remove the Non-Lethal Alarms Suspended message from the patient tile, and resume all configured alarm notifications

Print Menu Button – To Print a Patient’s Alarm Report

- Select **PATIENT ALARMS** menu button
- Select the patient tile
- Select **ALARM LIMITS** tab
- Select **PRINT** menu button

Note: This Report can also be printed from the **Report Menu**

Alarm Responses Tab

The **Alarm Responses Tab** adjusts the response of the central station when an alarm condition exists

HR	2	OFF	ON			
	Priority	Print on Alarm	Save to Event			
HR	2	OFF	ON			
NIBP	3	OFF	ON			
SpO2	3	OFF	ON			
Resp	3	OFF	ON			
CO2	3	OFF	ON			
PVC/min	3	OFF	ON			
IBP1	3	OFF	ON			

Use arrow keys to select parameter then use buttons to edit functions.

Buttons on the right: Restore Previous Settings, Suspend All Alarms, Suspend Non-lethal, Alarm Setup, Normal Screen

To Adjust a Patient's Alarm Responses

- Select **PATIENT ALARMS** menu button
- Select the patient tile
- Select **ALARM RESPONSES** tab
- Select the parameter to modify by tapping over the field or using the Up/Down arrows
- **PRIORITY:** Defines the importance of the alarm. The **lower** the priority the **higher** the severity
 - Priority 1: Red visual alarm notifications – high level audio alarm notifications
 - Priority 2: Yellow visual alarm notifications – mid level audio alarm notifications
 - Priority 3: Yellow visual alarm notifications – tertiary level audio alarm notifications

Note: Alarm Priorities apply if alarm limits are set for numeric parameters

To Adjust a Patient's Alarm Responses

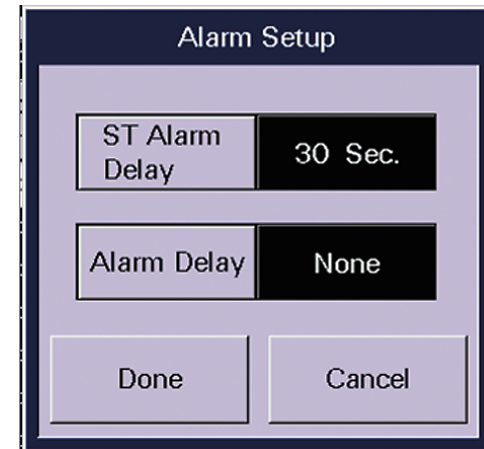
- **PRINT ON ALARM:** Determines if an automatic recording is produced upon identification of alarm condition
 - ON – Automatically produces a print out
 - OFF – Does not produce a print out
- **SAVE TO EVENT:** Determines if the event is saved in the **Events** Tab at the Panorama Central Station allowing for retrieval at a later time
 - ON – Automatically saves the event
 - OFF – Does not save the event
- **PAGE ON ALARM (Optional):** Determines if the alarm event sends a paging message to the assigned pager(s) once the paging delay criteria has been met
 - ON – Automatically pages on the alarm event
 - OFF – Does not page on the alarm event

Restore Previous Settings Sidebar Button

This sidebar button will return the settings to the ones assigned prior to opening the tab

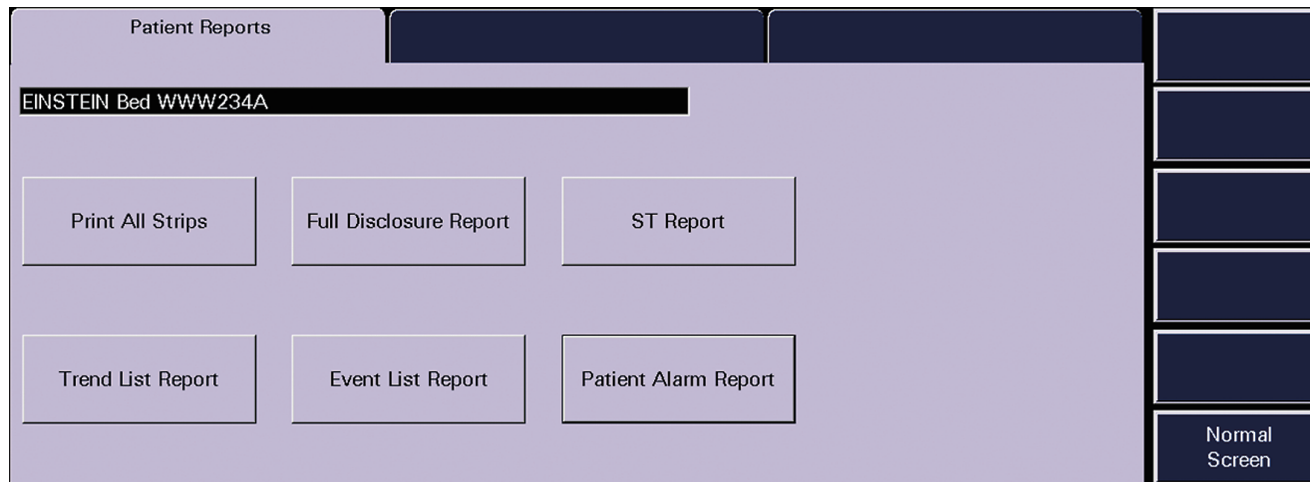
Alarm Setup Sidebar Button (Ambulatory Telepack)

The **Alarm Setup** sidebar button will be displayed when the assigned device for the selected tile is an Ambulatory Telepack. **Alarm** and **ST Delays** can be adjusted via this sidebar button. The time selected is the amount of time required for an alarm response to occur.



Reports Menu Button – Patient Reports Tab

The **Patient Reports** Tab contains a variety of reports a clinician can print on a specific patient. The waveforms to be printed are configured in the **“Print Setup”** Tab.



Print All Strips Button

This laser printout contains all patient demographics, all real time digital data and 10 seconds of waveform data

To Print an All Strip Report

- Select **REPORT** menu button
- Select patient tile
- Select **PATIENT REPORTS** tab
- Select **PRINT ALL STRIPS** button