BeneVision N22/N19

Patient Monitor Quick Reference Guide

Symbol	Function
Main Menu	Enters the main menu.
→0 ← Zero IBP	Starts IBP zero calibration.
Audio Pause	Pauses alarm tone.
Review	Enters the Review menu.
Patient Management	Enters the Patient Management menu.
Stop All	Stops all NIBP measurements.
PAWP	Enters the PAWP screen.
Venipuncture	Opens the Venipuncture window.
Alarm Reset	Acknowledges ongoing alarms and resets the alarm system.
NIBP Start/Stop	Starts an NIBP measurement or stops the current NIBP measurement.

Symbol	Function
	Shows more quick
More	keys.
<u> </u>	Enters the Alarm
Alarm	menu.
XX	Pauses the current
Alarm Pause	alarms.
O	Enters the standby
Standby	mode.
	Enters the Screen
Screen Setup	Setup menu.
₩+	Opens the C.O.
C.O. Measure	Measure window.
0	Opens the Loops
Loops	window.
المالية المالية	Starts/stops TOF
Start TOF	measurement.
€	Starts a
NIBP STAT	five-minute
	continuous NIBP
	measurement.
₹ ¶0	Enters the NIBP
NIBP Measure	Measure menu.
2	Enters the
Discharged Patients	Discharged Patients
Patients	dialog box.

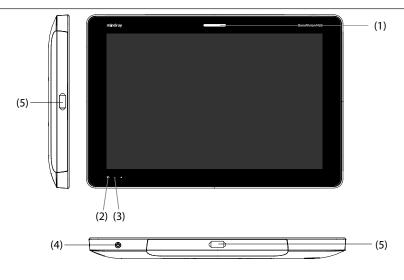


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Symbol	Function
Parameters Setup	Enters the Parameters Setup menu.
Manual Event	Manually triggers and saves an event.
OxyCRG	Opens the OxyCRG window.
Privacy Mode	Enters the privacy mode.
CPB Mode	Enters the CPB mode.
◄') Volume	Enters the Volume menu.
Calculations	Enters the Calculations menu.
Print	Starts printing a real- time report.
Discharge Patient	Enters the Discharge Patient dialog box.
ECG Lead/Gain	Enters the ECG Lead/ Gain menu.
BoA	Enters the BoA Dashboard screen.
GCS	Enters the GCS menu.
HemoSight	Enters the HemoSight menu.
Pace View	Opens the Pace View window.

Symbol	Function	
m i Remote View	Opens the Remote View window.	
Minitrends	Enters the Minitrends screen.	
ECG Full-Screen	Enters the 12-lead ECG full screen.	
Night Mode	Enters the night mode.	
Intubation Mode	Enters the intubation mode.	
Freeze	Freezes waveforms.	
Load Config	Enters the Load Config menu.	
Record	Starts/Stops a recording.	
Rotate Screen	Changes the screen orientation.	
Call Help	Calls for help.	
@! EWS	Enters the EWS screen.	
SepsisSight	Enters the SepsisSight menu.	
Rescue Mode	Enters the Rescue mode.	
ECG 24h Sum	Views the 24 hour ECG summary.	

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- (1) Alarm lamp
- (2) Battery indicator
- (3) AC power indicator
- (4) Power switch
- (5) Serial bus connectors

Turning on the Monitor

Press the power switch to turn on the monitor.

Display

Choosing a Screen

- 1. Access **Choose Screen** by either of the following ways:
 - Select the Screen Setup quick key.
 - Select the Main Menu quick key → from the Display column select Choose Screen.
- 2. Select the desired screen.

Selecting the Big Numerics Screen

- 1. Access Choose Screen by either of the following ways:
 - Select the Screen Setup quick key.
 - Select the Main Menu quick key → from the Display column select Choose Screen.

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- 2. Select Big Numerics.
- 3. Select a parameter numeric area or waveform area, and then from the popup list select an element you want to display in this area.

Displaying Parameter Numerics and Waveforms

- 1. Access **Tile Layout** by either of the following ways:
 - Select the Screen Setup quick key → select the Tile Layout tab.
 - Select the Main Menu quick key → from the Display column select Tile Layout.
- Select a parameter numeric area or waveform area, and then from the popup list select an element you want to display in this area. The parameters and waveforms you do not select will not be displayed.

Setting the Quick Key

- 1. Set the quick key by either of the following ways:
 - Select the Screen Setup quick key → select the Select Quick Keys tab.
 - Select the Main Menu quick key → from the Display column select Quick Keys.
- Select the **Current** tab to configure the quick keys you want to display on the screen: From the top of this page, select a block where you want to show a certain quick key, and then select the quick key from the quick key list.
- 3. Select the **More** tab to configure the quick keys you want to display when the **More** quick key is selected.

Monitoring ECG

Choosing the ECG Lead Type

- 1. Select the ECG numeric area or waveform area to enter the ECG menu.
- 2. From the **ECG** page, select the **Setup** tab.
- 3. Set **Lead Set** according to the lead type you are going to use. The default lead type is **Auto**. In this case, the monitor automatically detects the used lead type.

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Checking Paced Status

- 1. Select the ECG numeric area or waveform area to enter the ECG menu.
- 2. From the **ECG** page, select the **Pacer** tab.
- 3. Set Paced to Yes or No.

Enabling ST Monitoring

- 1. Select the ECG numeric area or waveform area to enter the ECG menu.
- 2. Select the **ST** tab → select the **Setup** tab.
- 3. Switch on **ST Analysis**.

Enabling QT/QTc Interval Monitoring

- 1. Select the ECG numeric area or waveform area to enter the ECG menu.
- 2. Select the **QT** tab → select the **Setup** tab.
- 3. Switch on QT Analysis.

Entering the 12-Lead Screen

- 1. Select the ECG numeric area or waveform area to enter the ECG menu.
- 2. From the bottom of the ECG page, select 12-Lead.

You can also enter the 12-Lead screen by either of the following ways:

- Select the **Screen Setup** quick key → select **ECG 12-Lead**.
- Select **Main Menu** quick key → from the **Display** column select **Choose Screen** → select **ECG 12-Lead**.

Initiating Resting 12-lead ECG Analysis

To initiate 12-Lead ECG analysis, select **Analyze** from the left bottom of the 12-lead screen.

Monitoring NIBP

Starting or Stopping NIBP Measurement

Task	By Quick Key	From NIBP menu
Start a manual measurement	NIBP Start/Stop quick key	Start NIBP button
Start auto NIBP series	NIBP Start/Stop quick key	Setup tab → set Interval → Start NIBP
	NIBP Measure quick key → select interval	Sutton
Start NIBP sequence	NIBP Measure quick key	Sequence tab → set
measurement	→ Sequence	NIBP sequence → Start NIBP button
Start STAT measurement	NIBP STAT quick key	STAT button
	NIBP Measure quick key → STAT	
Stop the current NIBP measurements	NIBP Start/Stop quick key	Stop NIBP button
End auto NIBP series or NIBP sequence	Stop All quick key	Stop All button
Stop STAT measurement and end series	NIBP Start/Stop quick key	Stop NIBP or Stop All button
	NIBP STAT quick key	

Setting the NIBP Interval

- 1. Select the **NIBP** numeric area to enter the **NIBP** menu.
- 2. Select the **Setup** tab.
- 3. Set Interval. Selecting Manual switches to manual mode.

Monitoring IBP

Changing the Pressure Label

The pressure label is a unique identifier for each type of pressure. Therefore, you should select a proper pressure label for the source of the pressure you want to monitor.

To select the pressure label, follow this procedure:

- Select an IBP numeric area or waveform area to enter the corresponding pressure menu.
- 2. Select the **Setup** tab.
- 3. Selec the desired Label.

Zeroing the IBP Transducer

- 1. Connect the IBP transducer, the IBP adapter cable and the module.
- 2. Turn off the three-way valve (the one close to the transducer) to the patient, in order to Vent the transducer to the atmospheric pressure.
- 3. Zero the transducer by one of the following ways:
 - Press the Zero hard key on the module.
 - Select the numeric area (such as the Art numeric area), and then select **Zero**.
 - Select the IBP Zero quick key.
- 4. After the zero calibration is completed, close the stopcock to the air and open the stopcock to the patient.

Patient Management

Editing Patient Information

- 1. Select the **Patient Demographics** quick key.
- 2. In the **Patient Management** menu, edit patient information as required.

If you connect a barcode reader with your monitor, you can scan the patient's barcode to enter the patient's medical number.

Discharging a Patient

Manually discharge a patient using one of the following ways:

- Select the **Discharge Patient** quick key.
- Select the **Patient Demographics** quick key → select **Discharge Patient**.
- Select the **Main Menu** quick key → from the **Patient Management** column select **Discharge**.

Alarms

Alarm Status Symbols

Symbol	Description	Symbol	Description
	All the alarms are paused.	\boxtimes	Audible alarm tones are paused.
X	Audible alarm tones are turned off.	. ₩	Alarms are acknowledged and the alarm system is reset.
×	Individual physiological alarms are turned off or the system is in the alarm off status.		

Setting Parameter Alarm Properties

- 1. Access the Limits page by either of the following ways:
 - Select the Alarm quick key.
 - Select the Main Menu quick key → from the Alarm column select Limits.
- 2. Select a parameter tab and set alarm switch, limits, priority, etc.

Changing Arrhythmia Alarm Settings

- 1. Select the ECG parameter area or waveform area to enter the ECG menu.
- 2. Select the **Arrhythmia** tab \rightarrow selec the **Alarm** tab.
- 3. Set the alarm properties.

Initiating Auto Alarm Limits

- 1. Access the **Limits** page by either of the following ways:
 - Select the Alarm quick key → select the Limits tab.
 - Select the Main Menu quick key → from the Alarm column select Limits.

2. From the **Limits** page, select **Auto Limits** at the left bottom.

Pausing Alarms/Pausing Alarm Tones

- Select the Main Menu quick key → turn to the third page → from the System column select Maintenance → input the required password → select Ok.
- 2. Select the **Alarm** tab \rightarrow select the **Pause/Reset** tab.
- 3. Set Pause to Alarm Pause or Audio Pause.

Resetting Alarms

Pressing the **Alarm Reset** to acknowledge the ongoing alarms and reset the alarm system.

Accessing Help When Technical Alarms Occur

In the technical alarm list, alarm messages followed by **Detail** includes help information.

- 1. Select the technical alarm information area to enter the **Alarms** window.
- 2. Select the **Technical Alarms** tab.
- 3. Select the desired alarm.

Entering Night Mode

- Select the Night Mode quick key, or select the Main Menu quick key → from the Display column select Night Mode.
- 2. Change the night mode settings if necessary.
- 3. Select Enter Night Mode.

Entering Privacy Mode

Choose one of the following ways to enter the privacy mode:

- Select the **Privacy Mode** quick key \rightarrow select **Ok**.
- Select the Main Menu quick key → from the Display column select Privacy Mode → select Ok.

Configuring the Monitor

Adjusting the Volume

Select the Volume quick key to set Alarm Volume, QRS Volume, and Key Volume.

Adjusting the Screen Brightness

- 1. Access Display by either of the following ways:
 - Select the **Screen Setup** quick key \rightarrow select the **Display** tab.
 - Select the **Main Menu** guick key → from the **Display** column select Display.
- 2. From the **Primary Screen** block, set **Brightness** for the primary display.
- 3. From the **Secondary Screen** block, set **Brightness** for the secondary display if configured.

Reviewing Trends

To review trends, enter the **Review** window by one of the following ways:

- Select the Review quick key.
- \blacksquare Select the **Main Menu** quick key \rightarrow from the **Review** column select one option.

Viewing Other Beds

To view other beds, enter the **Remote Vew** window by one of the following ways:

- Select the Remote View quick key.
- Select the Screen Setup quick key → select the Primary Display tab or **Secondary Display** tab → select the **Choose Screen** tab → select **Remote** View.
- Select the bed at the alarm watch tile, if configured, on the main screen.



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