### Controls & Indicators

- **Equipment Alert LED**
- **Patient Alarm LED**
- **Power Button**
- **Ready For Use Indicator**
- **Alarm Silence/Reset**
- **Display/Home**
- **Up/Clockwise**
- **Select**
- **Down/Counterclockwise**
- **Snapshot**
- **NIBP Start/Stop**

### Auxiliary Power Connection

Align arrow with dot and push connector until it locks.

### Battery Insertion

Align battery with battery well and push battery into place.
Changing Patient Mode

1. Press 🙂 & ♀ to highlight the patient mode field at the top of the display. Press 🎯.
2. Press 🙂 & ♀ to highlight correct patient mode. Press 🎯.

**Neonate:** Birth through 28 days, or 44 weeks gestational  
**Pediatric:** 29 days through 12 years  
**Adult:** 12 years or greater

Changing Screen Views

Press 🎯 to cycle through the different screens.

- **Waveform Screen**
- **Trends Screen**
- **Large Numerics Screen**

Note: 🎯 also acts as a Home key while a menu is displayed.

Changing Display Brightness

Press 🚴 to cycle through the different screen brightness options.

- **Normal Mode**
- **High Contrast Mode**
- **NVG Friendly Mode**

Taking a Monitor Snapshot

Press 🎯 to take a monitor snapshot. The unit records all waveforms for 12 seconds before and after pressing the button, and stores the numeric data on display when the button is pressed.
Apply ECG electrodes.

### Changing the Lead Source in Waveform Trace 1

Press to cycle through leads until the desired lead is displayed.

### Changing the Lead Source in Waveform Trace 1-4

1. Press & to highlight the Source Label above the waveform. Press .
2. Press & to highlight the desired lead source. Press .

### Changing the Waveform Gain

1. Press & to highlight the Gain Label above the waveform. Press .
2. Press & to highlight the desired waveform size. Press .

### Changing the ECG Sweep Speed

1. Press & to highlight the HR numeric. Press .
2. Press to highlight the ECG Sweep Speed. Press .
3. Press & to highlight the desired sweep speed. Press .
Apply ECG electrodes.

**12-Lead ECG Monitoring**

1. Press \(12\) to enter 12-lead mode.
2. Check for a good quality signal and ensure all leads are displayed.
3. Press \(12\).
4. Keep the patient still during the 10-second acquisition period.

**Acquiring a 12-Lead ECG Snapshot**

1. Press \(12\) to display the 12-Lead Review menu.
2. Press \(\) & \(\) to highlight the desired 12-lead snapshot.
3. Press \(\). 

**Reviewing a Stored 12-Lead Snapshot**

1. Press \(\) to display the 12-Lead Review menu.
2. Press \(\) & \(\) to highlight the desired 12-lead snapshot. Press \(\).

**Changing Displayed Leads in a 12-Lead Snapshot**

Press \(, II, III,…\) to change the displayed leads for a 12-lead snapshot.

**Printing a 12-Lead Snapshot**

Press \(\) to print the displayed 12-lead snapshot.
Preparing for NIBP Monitoring

1. Select the correct size cuff.
2. Attach the cuff to the NIBP hose.
3. Attach the hose to the Propaq MD unit.
4. Apply the cuff to the patient’s limb.
5. Place the limb at the same level as the patient’s heart.
6. Verify the correct patient mode on the Propaq MD unit.

Initiating an NIBP Reading

1. Press \( \text{\textdagger} \) to initiate a manual NIBP reading.

Setting Up Automatic NIBP Readings

1. Press \( \text{\textdagger} \) & \( \text{\textdagger} \) to highlight the NIBP numeric. Press \( \text{\circ} \).
2. Press \( \text{\textdagger} \) to highlight NIBP Mode. Press \( \text{\circ} \).
3. Press \( \text{\textdagger} \) & \( \text{\textdagger} \) to toggle to Auto Mode. Press \( \text{\circ} \).

Changing the NIBP Auto Interval

1. Press \( \text{\textdagger} \) & \( \text{\textdagger} \) to highlight the NIBP numeric. Press \( \text{\circ} \).
2. Press \( \text{\textdagger} \) & \( \text{\textdagger} \) to highlight NIBP Auto Mode Interval (mode must be set to Auto). Press \( \text{\circ} \).
3. Press \( \text{\textdagger} \) & \( \text{\textdagger} \) to highlight desired interval. Press \( \text{\circ} \).
SpO₂ Monitoring

1. Connect the appropriate sensor cable to the Propaq MD unit.
2. Apply probe to patient.

*The pleth waveform and oxygen saturation value will automatically appear on the screen when a signal has been detected.*

Changing the Waveform Gain

1. Press 🔄 & 🔄 to highlight the Gain Label above the pleth waveform. Press 🔄.
2. Press 🔄 & 🔄 to highlight the desired waveform size. Press 🔄.

Removing the Pleth Waveform

1. Press 🔄 & 🔄 to highlight the Source Label above the pleth waveform. Press 🔄.
2. Press 🔄 to highlight Remove. Press 🔄.

Note: You can add the pleth waveform back to the display by selecting Insert from the Source Label menu or by reconnecting the sensor to the Propaq MD unit and the patient.
**Connecting the CO₂ Sampling Line**

1. Slide open the CO₂ inlet port cover on the Propaq MD unit.
2. Insert the fitting at end of the sampling line into the inlet port.
3. Rotate the fitting clockwise to tighten.
4. Attach sampling line to patient or endotracheal tube.

![Slide open door & insert fitting](image1.png)  
![Rotate fitting to tighten](image2.png)

**Starting CO₂ Monitoring**

Press \( \text{CO}_2 \) to initiate CO₂ monitoring.

*Note: A green LED appears when CO₂ is on, and the unit automatically displays the capnogram and the EtCO₂ value.*

**Changing the Waveform Scale**

1. Press \( \text{CO}_2 \) & \( \text{Scale} \) to highlight the Scale Label above the CO₂ waveform. Press \( \text{CO}_2 \).
2. Press \( \text{CO}_2 \) & \( \text{Waveform Size} \) to highlight the desired waveform size. Press \( \text{CO}_2 \).

**Changing the CO₂ Sweep Speed**

1. Press \( \text{CO}_2 \) & \( \text{Numeric} \) to highlight the CO₂ numeric. Press \( \text{CO}_2 \).
2. Press \( \text{CO}_2 \) to highlight the CO₂/Resp Sweep Speed. Press \( \text{CO}_2 \).
3. Press \( \text{CO}_2 \) & \( \text{Sweep Speed} \) to highlight the desired sweep speed. Press \( \text{CO}_2 \).
Enabling Individual Alarms & Setting Alarm Limits

1. Press \(\uparrow\) & \(\downarrow\) to highlight the parameter label for the alarm you want to set (e.g., HR/PR). Press \(\checkmark\).
2. Press \(\uparrow\) & \(\downarrow\) to highlight the desired parameter alarm (e.g., HR/PR Alarm). Press \(\checkmark\).
3. Press \(\uparrow\) & \(\downarrow\) to highlight the alarm setting you want to modify (e.g., HR/PR Upper Limit Enable). Press \(\checkmark\).
4. Press \(\uparrow\) & \(\downarrow\) to adjust the setting to the desired value (e.g., On). Press \(\checkmark\).
5. Press \(\uparrow\) & \(\downarrow\) to highlight the alarm limit you want to modify (e.g., HR/PR Upper Limit). Press \(\checkmark\).
6. Press \(\uparrow\) & \(\downarrow\) to adjust the setting to the desired value (e.g., 120). Press \(\checkmark\).

Note: An alarm must be enabled (turned on) before the alarm limit can be adjusted.

Enabling Multiple Alarms & Setting Alarm Limits

1. Press \(\downarrow\).
2. Press \(\text{Limits}\) to bring up the Alarm Settings Control Panel.
3. Follow steps 2-6 above to enable alarms and set limits.

Note: When any parameter alarm limit is disabled (turned off), the message SOME ALARM LIMITS DISABLED will appear on the display.

Silencing an Active Alarm

Press \(\%\) to silence an active alarm.
Performing Defibrillation

1. Connect therapy (MFC) cable to device.
2. Connect therapy cable to hands-free therapy electrodes.
3. Connect hands-free therapy electrodes to patient.
4. Press \( \text{Select Energy} \) to select desired energy.
5. Press \( \text{Charge} \) to charge the Propaq MD unit.
6. After the Propaq MD unit is charged, stand clear and press \( \text{Shock} \) to deliver energy.

Disarming the Defibrillator

While the Propaq MD unit is charging or charged, press \( \text{Disarm} \) to safely disarm the energy. Changing the selected energy will also disarm the Propaq MD unit.

Performing Synchronized Cardioversion

1. Press \( \text{Sync} \) to activate Sync mode. Verify sync marker is placed over the R-wave.
2. Press \( \text{Select Energy} \) to select desired energy.
3. Press \( \text{Charge} \) to charge the Propaq MD unit.
4. After the Propaq MD unit is charged, stand clear then press and hold \( \text{Shock} \) to deliver energy.
### Starting the Pacer & Changing Pacer Settings

1. Press \( \text{Pacer} \) to bring up the Pacer menu.
2. Confirm Pacer Mode and Pacer Rate.
3. Press \( \uparrow \) & \( \downarrow \) to highlight \textbf{Start Pacer}.
4. Press \( \circ \) to begin pacing.
5. Press \( \uparrow \) & \( \downarrow \) to highlight the Pacer Output. Press \( \circ \).
6. Press \( \uparrow \) & \( \downarrow \) to adjust the pacer output until capture occurs, then decrease the output to the lowest level that still maintains capture.
7. Press \( \text{Exit} \) to exit the Pacer menu.

#### Pacer Settings

<table>
<thead>
<tr>
<th>Mode</th>
<th>Demand</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rate</td>
<td>60</td>
</tr>
<tr>
<td>Output</td>
<td>70</td>
</tr>
</tbody>
</table>

#### Pausing the Pacer

1. Press \( \text{Pacer} \) to bring up the Pacer menu.
2. Press \( \uparrow \) & \( \downarrow \) to highlight \textbf{Pause Pacer}.
3. Press \( \circ \) to pause the pacer.

#### Turning Off the Pacer

1. Press \( \text{Pacer} \) to bring up the Pacer menu.
2. Press \( \uparrow \) & \( \downarrow \) to highlight \textbf{Turn Pacer Off}.
3. Press \( \circ \) to turn the pacer off.