

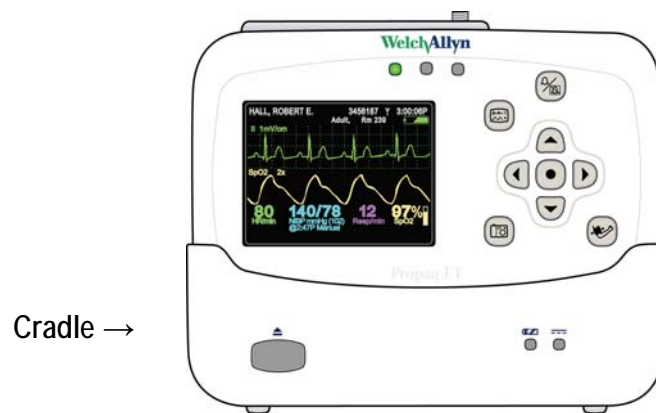
Propaq LT Outline Train the Trainer

A. Propaq LT and LTR



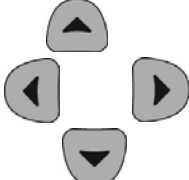



Propaq LT – Standalone monitor




Propaq LTR – Monitor that has the wireless Acuity feature enabled

1. Lightweight (Less than 2 pounds)
2. Uses rechargeable lithium ion battery
3. Compatible with 3 or 5 lead ECG cables
4. Neonatal, pediatric and adult modes
5. One or Two ECG channels displayed
6. Color LCD screen for display of numerics and waveform data
7. Rugged and tolerant of brief water exposure
8. Do not clean ECG leads with alcohol
9. Store monitor in cradle when not in ambulatory use
10. Show the exterior connections for ECG/RESP, NIBP, SPO₂, Battery/Charger Cradle



B. Propaq LT Buttons

1. Suspend/Resume Alarm: 
2. Changes display format (3 views): 
3. Arrow buttons move the cursor on the display: 
4. Select the highlighted item or confirm a choice: 
5. Start/Stop NIBP: 
6. Record full disclosure snapshot: 
7. Color transfective LCD screen is viewable in all indoor/outdoor settings.

8. Flashing green LED: indicates normal operation 
9. Flashing yellow LED: indicates equipment alert 
10. Continuous yellow LED: indicates an alarm limit is disabled
11. Flashing red LED: indicates patient alarm 
12. Continuous red LED: indicates a patient alarm is suspended

C. Propaq LT/Acuity Setup Procedure

1. Apply ECG leads/SPO₂/NIBP cables on the patient first
2. Press the power button to apply power to the monitor
3. To prepare for a new patient, highlight "Start a New Patient", then press **Select**.
4. Use the arrow buttons and **Select** to enter the patient's name and ID (or ID at Acuity)
5. Check the patient mode and make sure it is correct. If not, use the arrow keys to scroll to highlight the existing patient mode. Then press **Select**, and change to the correct patient mode.

D. Tips for successful ECG monitoring

1. Using pre-gelled silver/silver chloride electrodes is recommended. Electrodes with dissimilar metals can prevent obtaining an ECG tracing and can compromise recovery time after defibrillation.
2. Prepare electrode sites (skin preparation):
 - a. Remove hair from electrode sites. Shave or clip hair according to hospital policy
 - b. Thoroughly clean skin where electrodes will be attached and lightly rub dry
 - c. Use soap and water, isopropyl alcohol, or special skin preparation pads to cleanse the skin
 - d. To avoid allergic reactions to electrodes, refer to the electrode manufacturer's guidelines
3. Proper electrode placement
 - a. Increased artifact due to patient movement greatly affects telemetry monitoring
 - b. Place electrodes in flat areas; avoid fatty/bony areas and major muscles
4. Suggested lead placement:
 - RA (white)-place near right mid-clavicular line directly below the clavicle
 - LL (red)-place near 7th intercostals space in line with or lateral to the midpoint of the left clavicle
 - LA (black)-Place near left mid-clavicular line directly below the clavicle.
 - RL (green)-place near 7th intercostal space in line with or lateral to the midpoint of the right clavicle
 - C (brown)-place in the intercostal space equivalent to the V1, V2, V3, V4, V5, or V6 position you want to monitor
5. Always attach lead wires to electrodes before applying to patient. Confirm that the Propaq LT displays the ECG waveform, heart rate, and other patient data. If the Propaq LT detects that some lead wires are not properly connected, the Propaq LT indicates which leads are disconnected.
6. Electrodes should be replaced when loose and daily after bathing (according to policy).
7. Contributors to a poor ECG tracing:
 - Not properly supporting a patient's monitor
 - Dried Electrodes
 - Placing an electrode on site affected by motion
 - Hair at electrode sites
 - Using electrodes with dissimilar metals

Note:

Use stress loops to help decrease artifact (demonstrate guidelines)

We recommend inserting the ECG and/or SpO₂ cables into top of Propaq LT to monitor patient at this time. This will decrease the number of equipment alerts and potential alarms.

8. Three methods of ambulating with the Propaq LT:
 - a. Carrying strap
 - b. IV Pole mount
 - c. Patient wearable: Place strap on patient first, connect the strap securely to each side of the Propaq LT monitor, carefully arrange the strap and monitor on the patient (hand bag design).

E. Alarms

1. There are 6 alarm parameters that can be set and adjusted on the Propaq LT
2. Once you have your Propaq LT monitor on, use your arrows keys and select key to highlight the blue bell icons on the bottom of the LCD screen
3. You must highlight/underline the Blue bell icon or parameter label that represents the following alarm parameter that you wish to change -- Heart Rate numeric (Green), Systolic BP (Aqua), Diastolic BP (Aqua), Mean BP (Aqua), Respiratory (Purple), Pulse Ox (Yellow).
4. Once you highlight the parameter (for example: HR), you then press the **select** key (icon), or use your up/down arrows to scroll up and down the menu, you use your left/right arrow keys to increase/decrease the numeric limits
5. A solid blue bell indicates that the lower and upper limits are on for that parameter
6. A half solid blue bell indicates that one limit is turned off; if the left half of the blue bell icon is empty, then the "upper" alarm limit is off and if the right half of the blue bell icon is empty that means the "lower" alarm limit is off.
7. An empty blue bell indicates that alarms parameter is completely turned off (upper and lower limits) You will also see the Yellow light on the front of the monitor stay on continuously
8. Managing Alarms:
 - a. Suspend the alarms
 - b. Paramset
 - c. Manually adjusting the alarm limits

F. Propaq LT MENU's

1. TRENDS Menu:
 - a. Press **Select** to display the control settings
 - b. Scroll to Trends and press **Select** to display the trends
 - c. The Trend Viewer allows you to select and view each of the available trends in either tabular or graphical format
2. SNAPSHOTS Menu:
 - a. Press **Select** button to display the control settings
 - b. Scroll to Snapshots and press **Select** to display the Snapshot viewer
 - c. The Snapshot Viewer allows to you select and view each of the available Snapshots (max is 20 snapshots)
3. SET UP Menu:
 - a. Press **Select** button to display the control settings
 - b. Scroll to Setup and press the **Select** button
 - c. This will take you to Setup Menus for:
 - ALARMS: To set alarms

ECG: Menu for Bandwidth, Filter, Pacer
 NIBP: Menu for Format, Units, Smartcuf
 TIMINGS: Menu for Backlight Timeout, Display Timeout, Demo
 SERVICE: Menu for qualified personnel

- d. Silence Audio Alarms: Options of times to choose from to silence alarms
- e. Alarm Tone: OFF, LOW, MED, HIGH – Option to choose tone

G. ECG Lead/Vector Menu

1. Highlight the green colored vector - there are 7 options of vectors: Lead I, II, III, AVR, AVL, AVF, V
2. Press the **Select** button to obtain a drop down menu of vectors that can be viewed (6 seconds at a time)
3. The Resp (24 seconds) and SPO₂ are two other waveforms that can be viewed
4. The "Add 2nd Wave" Option is available for the user to view 2 waveforms at the same time on the LCD screen

H. Battery Management



← Charging Light

1. Recharge a Battery
 - a. Confirm that the green LED (on the right) is on at the charging station, indicating that AC power is connected
 - b. Slide the monitor all the way down into the Charging station until the monitor clicks into place
 - c. Confirm that a green LED (on the left) is on at the Charging station. This indicate the battery is now charging
 - d. When the battery is fully charged, the green LED (on the left) is off.
 - e. Message: LOW BATTERY: < than 30 minutes, VERY LOW BATTERY: < than 15 minutes
2. Inspect and Clean the Monitor and Accessories
 - a. To clean the Propaq LT, Charging station, Accessories: Wipe with equipment with a nearly-dry cloth moistened with one of the approved cleaning solutions in the Directions For Use manual.
 - b. Do not let the cleaning solution run into connector openings, latches, and crevices.

I. Monitoring with Wireless Network (from Acuity SW 6.4 to present)

1. Your monitor should automatically display an antenna symbol, **Y**, indicating the status of network connection.
2. After the monitor is connected to the network, the following data must be completed at the monitor: Patient name, Patient ID, Room #
3. If you did not specify the patient information at the monitor before network connection, the monitor will present a series of menus and messages requesting the information. For example:
Select an Acuity Unit
Select a patient from the patient list
Select a patient room from the patient list
4. Patient out of network:
A DROPOUT equipment alert occurs at the Acuity Central Station
An equipment alert occurs at the monitor with the message "Acuity Connection Lost" – press **Select** to acknowledge this alert
When the patient returns within range of the network, the monitor automatically reconnects to the network
5. Disconnect from the Network:
Highlight the wireless status symbol, **Y**, then press **Select**
Scroll to highlight Disconnect, then press **Select** and confirm your selection to disconnect
6. Reconnect a Recently Monitored Patient to the Network
Highlight the wireless status symbol, then press **Select**
The monitor will want the user to provide information-Acuity unit, patient name, room #. This is a user responsibility!!

J. Configurator Options:

The monitor can be configured in the following ways:

1. Each facility can define a **custom default configuration** for its monitors so that the monitors conform to the local requirements.
2. Clinicians can **temporarily adjust settings** to meet the needs of individual patients. While monitoring a patient, you can temporarily adjust many of the monitor settings to accommodate the needs of a specific patient. These patient-specific settings persist until they are changed manually or by Acuity or until the monitor is powered down and then powered up to monitor a different patient.
3. When a wireless monitor is in communication with an Acuity Central Station, **Acuity imposes several monitor settings** to assure conformance and consistency among all monitors on the network. These settings override the factory configuration, the default configuration, and any temporary patient-specific settings.

When the monitor comes into communication with the Acuity Central Station, Acuity uploads values to the monitor for the following parameters:

NOTE: The Acuity-defined configuration persists until the monitor moves out of range of the Acuity network or until the monitor is powered down and powered up.

- HR/PR source can disable HR/PR alarm limits power source filter HR/PR upper and lower alarm limits (adult, pediatric, and neonate)
- NIBP mode systolic upper alarm limit (adult)
 - Diastolic upper alarm limit (adult)
 - Systolic lower alarm limit (adult)

- Diastolic lower alarm limit (adult)
- Mean upper alarm limit (adult)
- Mean lower alarm limit (adult) NIBP auto interval
- Smartcuf On default (adult)
- Smartcuf On default (pediatric)
- Smartcuf On default (neonate)
- SpO2 upper and lower alarm limits (adult, pediatric, and neonate)
- Respiration on/off respiration vector select (adult, pediatric, and neonate)
- Respiration upper and lower alarm limits (adult, pediatric, and neonate)
- Patient name room number
- Language buttons lock-out enable
- Back light time out
- ECG bandwidth