



## ECG frame



Item	Description	Item	Description
1	ECG frame	7	Filter label
2	Lead toggle and label (green lead is being viewed)	8	Heart Rate/Pulse Rate label
3	ECG grid	9	Heart Rate/Pulse Rate alarm limit controls
4	ECG waveform	10	Heart Rate/Pulse Rate source label
5	Gain setting label	11	Stop/Start ECG button
6	Sweep speed label	12	Waveform snapshot button

## Respiration Rate frame



Item	Description
1	Respiration Rate frame
2	Respiration source label
3	Respiration alarm limit controls

## Set up ECG/Impedance Respiration

1. Touch the **Settings** tab.
2. Touch the **Setup** tab.
3. Touch the **ECG** vertical tab.
4. Adjust the following settings as desired:
  - ECG Gain. Select the desired gain.
  - Sweep speed. Select the desired sweep speed.
  - Filter. Touch the selection box to enable or disable Filter.
  - Use ECG as an RR source when available. Touch the selection box to enable or disable Impedance Respiration. The device will only measure impedance respiration while monitoring in Lead II.

- Set Pacemaker detection as needed. Touch the selection box to enable or disable the display of pacemaker spike markers, as shown here.



**WARNING** Patient safety risk. Correctly set pacemaker detection. A pacemaker pulse can be counted as a QRS, which could result in an incorrect heart rate and failure to detect cardiac arrest and some life-threatening arrhythmias (V-Tach, V-Fib, and asystole). If your patient has a pacemaker, turn pacemaker detection ON to avoid this hazard, and keep pacemaker patients under close observation.

**Note** The default setting is Pacemaker detection Off. After monitoring a patient with Pacemaker detection On, the device returns to the default before monitoring the next patient. Return to the **Settings > Setup > ECG** tab to enable Pacemaker detection for new patients.

- Touch the **Home** tab.  
The new settings take effect immediately.

## Monitor the patient

- Touch **Start** in the ECG frame to begin acquiring an ECG waveform. Allow 3 to 5 seconds to pass before the waveform appears on screen. The Heart Rate also appears in the ECG frame.
- Locate the ECG lead label in the frame. Look for a list of available leads with the current lead selection highlighted.
- To display a different lead, touch the screen anywhere on the waveform. The waveform and lead selection label change with each touch.
- Continue monitoring ECG as needed.

For information about any Hillrom product, contact Hillrom Technical Support at [hillrom.com/en-us/about-us/locations/](http://hillrom.com/en-us/about-us/locations/)




## Save and review a waveform snapshot

### Non-alarming waveform snapshots

You can save snapshots of non-alarming waveforms to the Review tab. Non-alarming waveform snapshots capture 7 seconds of data before the request.




**Note** You can capture one waveform snapshot per minute.

- When you observe a waveform you want to capture, touch  in the ECG frame.
- Touch the **Review** tab and observe the saved waveform icon  in the ECG row.
- To open and review the waveform snapshot, touch .
- Touch **Print** to print the waveform or **Cancel** to close the snapshot. Both selections return you to the Review tab.

### Alarm waveform snapshots

Arrhythmia (V-Tach, V-Fib, and asystole) alarm waveform snapshots are saved automatically to the Review tab. No user action is required.

Note the following:

- If “Print on alarm” has been enabled in Advanced settings, the waveform prints automatically after saving is complete.
- The saved waveform icon for an alarm condition appears red  in the Review table, indicating a high-priority alarm.
- Alarm waveforms capture the 7 seconds before as well as the 7 seconds after an alarm event (V-Tach, V-Fib, and asystole).
- During the 7-second post-alarm save time, you cannot modify any settings (leads, filter, gain, pacemaker detection, etc.).