**Patient Preparation**

- Select area over bone, avoiding muscle areas and breast tissue.
- Clean electrode sites aggressively with alcohol and use a razor to remove hair.
- Abrade electrode sites with a scrub pad or gauze. Allow sites to dry before applying electrodes.
- Firmly snap electrodes to the lead wires.
- Apply electrodes to appropriate sites. Press adhesive border firmly for consistent adhesion.
- To help alleviate tension, loop and tape lead wires down.

**5-Electrode Placement**

![Electrode Placement Diagram]

**Electrodes**

- **RED** (+): Ch. 1 CMS
- **BLACK** (+): Ch. 2 aVF
- **WHITE** (+): Ch. 3 lead II
- **GREEN (RL)**
- **BLACK** (-)
- **BROWN** (-)
- **WHITE (1-)**
To start recorder for Holter

**Step 1** Insert formatted SD Card (using Q200 format) and battery into recorder.

**Step 2** Screen will display “Q200/HE” and “QRS Diagnostic” information.* Press ENTER to continue to main menu. Erase memory if prompted to do so.

**Step 3** If desired, adjust Settings by using arrows – ▲, and ▼ – to move the cursor and the ENTER button to select. Use arrows to navigate to General Settings menu and to adjust entries. Press ENTER to select and return to menu.

**Step 4** From main menu go to New Patient screen to verify or enter Patient ID. At least one character must be entered for Patient ID.

**Step 5** Use arrows and ENTER to input ID and press EVENT when finished. (Hold down ENTER button to backspace.) Recorder will now start automatically after 10 minutes or by pressing EVENT button for 3 seconds. ECG signal and quality will appear on screen.

**Step 6** To remove card after recording, gently push inward to release. Never pull card out of slot, as it may damage the recorder.

*Note:* If screen displays a 15 second countdown, you will need to interrupt by pressing ENTER, ▲, ▼, and EVENT buttons, in that order.

### Messages

**Lead Loose** – Occurs when the patient is not hooked up or if there is a problem with the hook up. The problem may be with an electrode, a lead, or the cable that connects the leads to the recorder. The message will continue to flash for about 10 seconds after corrected. When corrected, the ECG, then Time-of-day will appear on the screen. If you choose, you can turn this error message off via the main menu.

**Battery LOW** or **FAILURE** – Put in new battery before starting recorder.

**Erase memory YES/NO** – If the SD card has been used for a previous patient, you will need to erase now. If the card should not be erased as it has ECG data that you do not want to lose, you will need to remove it and put in a new formatted SD card.

**SD Card errors** – SD Cards must be formatted using your LX Holter software. Refer to your Operator’s Manual for details on SD Card errors and how to format and correct.

### General Settings

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<th>Setting</th>
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<td>Adjusts LCD screen contrast</td>
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<tr>
<td><strong>Lead Loose</strong></td>
<td>Enables/Disables “Lead Loose” error message</td>
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<tr>
<td><strong>Event Marker</strong></td>
<td>Denotes event location on ECG</td>
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<tr>
<td><strong>Key Mode</strong></td>
<td>“Quiet” turns off key beeping. “Delayed” prevents accidental events by requiring patient to hold button down for several seconds to record an event</td>
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<tr>
<td><strong>Rec Type</strong></td>
<td>Switch between Holter and Event only recording modes.</td>
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<td><strong>Menu Lock</strong></td>
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