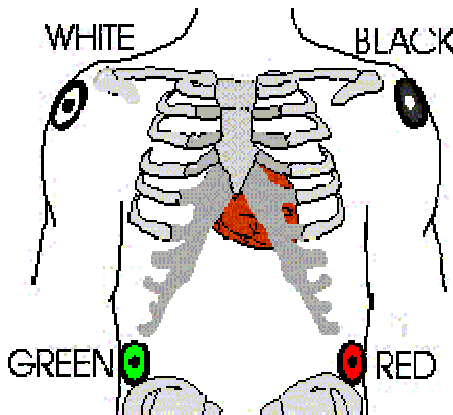


EKG Lead Placement

The new LIFEPAK 12 heart monitor uses a modified placement of monitor leads. This guide is designed to help you understand the new locations for lead

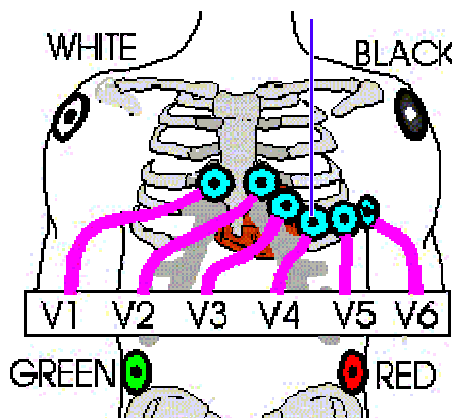
4 Lead Placement

Most patients will only need four leads attached for standard diagnostics. Used the following guide for placing these four leads. Do not turn the monitor on till after the 4 leads are in place. A handy little saying can remind you of three locations, which leaves you with only one other to remember. The saying I use is "**White** over right & **smoke**(black) over **fire**(red)." This leaves you with one more lead which is **green** and it goes on the lower right side.



The best locations for the upper leads is far out on the upper most part of the arms. (Previously the upper portion of the chest was used.) The best locations for the lower leads is just above the pelvis and just outside the nipple lines. If access to this area is too difficult, the outer thighs may be used but are more susceptible to interference caused by movement. (Previously the lower portion of the rib cage was used.) After the four leads are placed you may turn on the LIFEPAK 12 and it will automatically print a strip and show three different lead tracings on

Chest Lead Placement



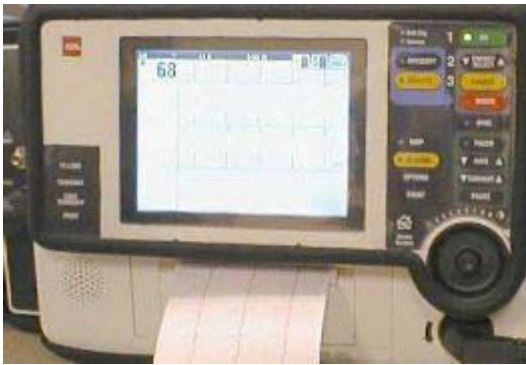
Some patients will need all ten leads attached for twelve lead diagnostics. (The monitor combines two leads together to use as a focal point for some of the electrical tracings. This is why there are only ten leads attached.) Use the following guide for placing the six additional leads.

The easiest way to correctly place the electrodes is in the following order:

1. V1 - 4th intercostal space, just to the right of the sternum.
2. V2 - 4th intercostal space, just to the left of the sternum.
3. V4 - On the mid clavicular line & 5th intercostal space.
4. V6 - On the mid axillary line, horizontal with V4.
5. V5 - Between V6 & V4.
6. V3 - Between V4 & V2.

After all leads are in place the twelve lead acquisition can take place. The LIFEPAK 12 takes only 20 seconds to acquire a twelve lead strip. During this time the patient must lay very still.

To acquire a twelve lead:



1. Press the **12-LEAD** button. A dialog box will pop-up, asking for the patients age.
2. Turn the big round knob till the proper age is shown.
3. Instruct patient to lay still.
4. Push the knob in.
The acquisition is complete when the paper starts printing out. (about 20 seconds)

Congratulations! You now know how to place electrodes for a 12 lead EKG. You will now be a more effective aid to the Paramedic when hooking up the LIFEPAK 12 heart monitor.