



CARDIONET
MONITORING AT THE SPEED OF LIFE™

Patient Information Guide

CardioNet Home Ambulatory Cardiac Monitor

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions (1) This device may not cause harmful interference and, (2) This device must accept interference received including interference that may cause undesired operation.

CardioNet Inc.
510 Market Street
San Diego, CA 92101
Tel. 619. 243.7500
Fax. 619. 243.7700

Copyright 2002
All rights reserved.

Document Number - 100132
Revision C
Model Number 1001

Table of Contents

1. Introduction	1
How the CardioNet Service Works	2
The CardioNet Monitoring Kit	4
Who to Call for Help	8
2. Setting Up	9
Connecting At Home	10
Checking Battery Power	12
Staying in Range	12
Limitations of cell phone coverage	12
Wearing the CardioNet Sensor	14
Placement of Lead Wires and Pads	15
3. Using the Monitor	17
Keep the Monitor On	18
Navigating the Screens	20
Record a Symptom	23
When You Are Without Cell Phone Coverage	26
Changing Monitor Options	27
Checking Monitor Status	29
View the Cell Signal Status	31
Warnings and Alarms	32
4. Care for the Sensor	33
Changing Electrode Pads	34
Placing the Leads and Pads	37
Showering or Bathing	38
Changing the Battery	40
Turn Off the Monitor	40
Replace The Battery	40
5. Troubleshooting	41
Responding to Warnings and Alarms	43
Precautions	47
A. Specifications	51

Introduction

We Help Find Answers

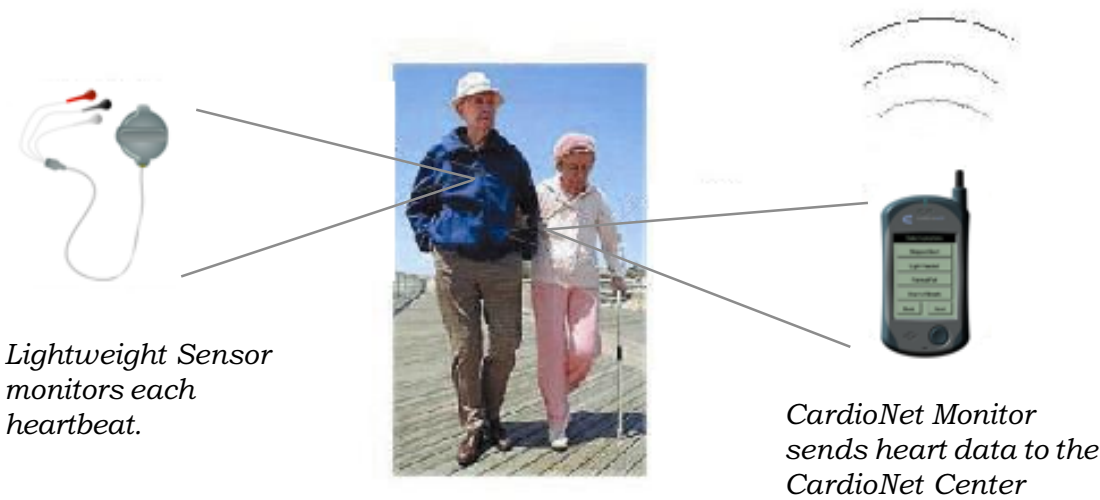
The CardioNet Service was developed to help doctors detect and treat heart problems that may not happen often enough to be found during a routine ECG in the physician's office, since an in-office ECG may only monitor the heart for ten or fifteen seconds. By monitoring heart rhythms continuously, we can help physicians detect problems that may occur infrequently – perhaps only once or twice a week –even while you are asleep.

Our goal at CardioNet is to work as a team with patients and physicians to help people receive the best possible care. We are honored that we were chosen to serve you.

The CardioNet Service monitors your heart rhythms continuously. This helps your doctor detect problems that occur infrequently, even while you sleep.

CardioNet works with you and your physician.

How the CardioNet Service Works



Patient Wears CardioNet Sensor

When you're using the CardioNet Service, you'll wear a small, lightweight Sensor. The Sensor monitors each heartbeat and sends data to the portable CardioNet Monitor.

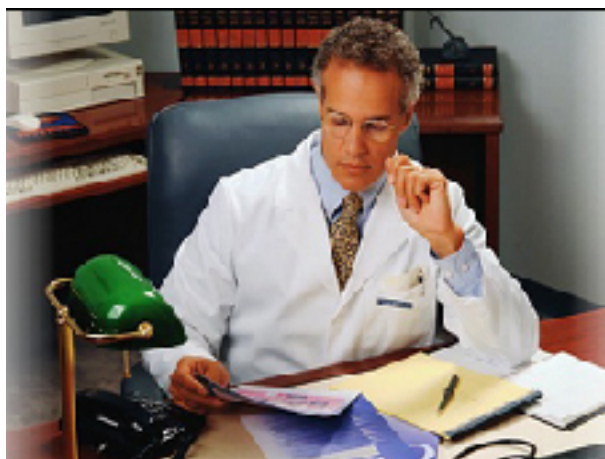
The CardioNet Monitor can be tucked away in a pocket or purse. It sends wireless communications to the CardioNet Center automatically when it detects an event or when you report an event, using the touch screen on the Monitor.



At the CardioNet Service Center, which operates 24 hours a day, seven days a week, specially trained cardiac technicians analyze your heart data and report results to your physician.

The CardioNet Service Center Monitors Heart Data

Your physician reviews the results, discusses results with you and prescribes or adjusts treatment.



Your Physician Reviews The Results

To avoid extra charges, return all kit items except used batteries and used electrode pads to CardioNet when service is completed.



1. CardioNet Monitor

The CardioNet Monitoring Kit

The CardioNet Monitoring Kit contains the supplies you will need while you are on the CardioNet Monitoring Service. If any items are missing or broken, or if you have any questions about how to use them, please call the CardioNet Service Center at 1-866-426-4401.

When service is ended, please return all the items to their labeled slots and send the kit back to the monitoring center, following the directions on the enclosed return address label.

It is important to return the patient supply kit no later than the very next day. Other patients need to use the equipment, which is in limited supply.

Your Service Kit contains

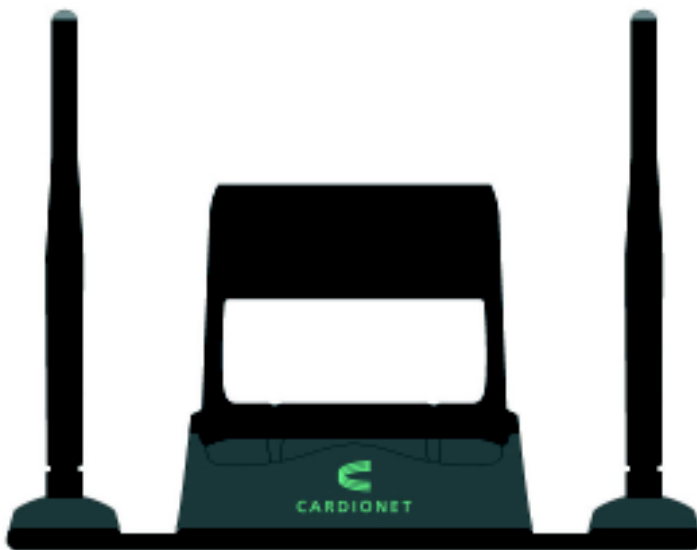
1. The CardioNet Monitor

This portable device constantly monitors your heartbeat and sends information to The CardioNet Service Center, through wireless communication when you are away from home, or through the regular phone system when the monitor is placed in the CardioNet Base Station. You will not be charged by the telephone company for calls made by your monitor. Please handle the CardioNet Monitor with care – don't drop it, lose it, or get it wet. It's expensive to replace.

2. The CardioNet Base Station

The CardioNet Base Station is connected to your home telephone line and plugged into an electrical outlet in the bedroom or a central location in your house. The Base Station recharges the CardioNet Monitor overnight and allows the CardioNet Monitor to communicate with the monitoring center through the regular phone system. You will not be charged by the telephone company for calls made by your monitor.

Please put the CardioNet Monitor in the base station whenever you are at home. In larger homes, two base stations may be required, so you can keep your sensor and monitor in contact as you walk around the house.



2. CardioNet Base Station



3. CardioNet Sensor

3 The CardioNet Sensor

The CardioNet Sensor, which can be worn around the neck or on a belt, senses each heartbeat and constantly sends the information to the CardioNet Monitor. To communicate with the monitor, the sensor must remain within 30 feet of the monitor. Walls and other obstructions can reduce the range. If you go out of communication range, the sensor will beep to alert you – so you can move back within range or pick up the monitor and take it with you.

4. Electrode Pads and Leads

These sticky disposable pads snap onto the three electrode leads on the CardioNet Sensor. You remove the backing and stick them onto your skin.

5. Batteries

These batteries are for the CardioNet Sensor. Sensor batteries must be replaced with new batteries each day. Any new commercially available AA batteries can be used with the CardioNet Sensor.

6. Sensor Neck Strap

Use if you prefer to wear the Sensor around your neck.

7. Sensor Belt Clip

Use if you prefer to wear the Sensor on your belt.

8. Telephone Line In/Out

Use to plug your CardioNet Base Station into the telephone wall jack.

9. Base Power Plug

Use to plug your CardioNet Base Station into an electrical outlet.

10. Patient Guide and Pocket Reference Card

This guide which contains information about CardioNet Monitoring Service and helpful reminders about using the equipment. You can carry the pocket reference card with you while on service.

11. Patient Information Video

This contains the key information about the monitoring service, presented in a short video.

12. Return Address Label and Shipping Form

Use the label and prepaid shipping form to return the kit after monitoring is finished.

Remember: all kit items, except used batteries and used electrode pads must be immediately returned to CardioNet once service is completed, or you will be charged for them.

Who to Call for Help

If you have any questions about your monitoring service or billing, please call one of our toll free numbers. Customer service is available 24 hours a day, 7 days a week.

Monitoring Questions: (866) 426-4401

Billing Concerns: (866) 426-4401

Setting Up

When you get home with your CardioNet Service Kit, you'll need to take a few steps to set up the CardioNet Base. This section of the Patient Guide walks you through:

- Connecting the CardioNet Base
- Recharging the Battery
- Staying in Communications Range
- Wearing the Sensor

Connecting At Home

Find an electrical outlet and phone jack in a central location, preferably in your bedroom to connect the CardioNet Base. As long as you are within range of the CardioNet Monitor, your CardioNet Sensor can continue sending heartbeats to the Monitor. If you go out of range, the Sensor beeps to warn you.

When you go to any area in your house where your Sensor is out of communications range with your Monitor, simply take CardioNet Monitor out of the Recharging Base and bring it with you, so the Monitor can continue receiving heartbeat signals from the Sensor.

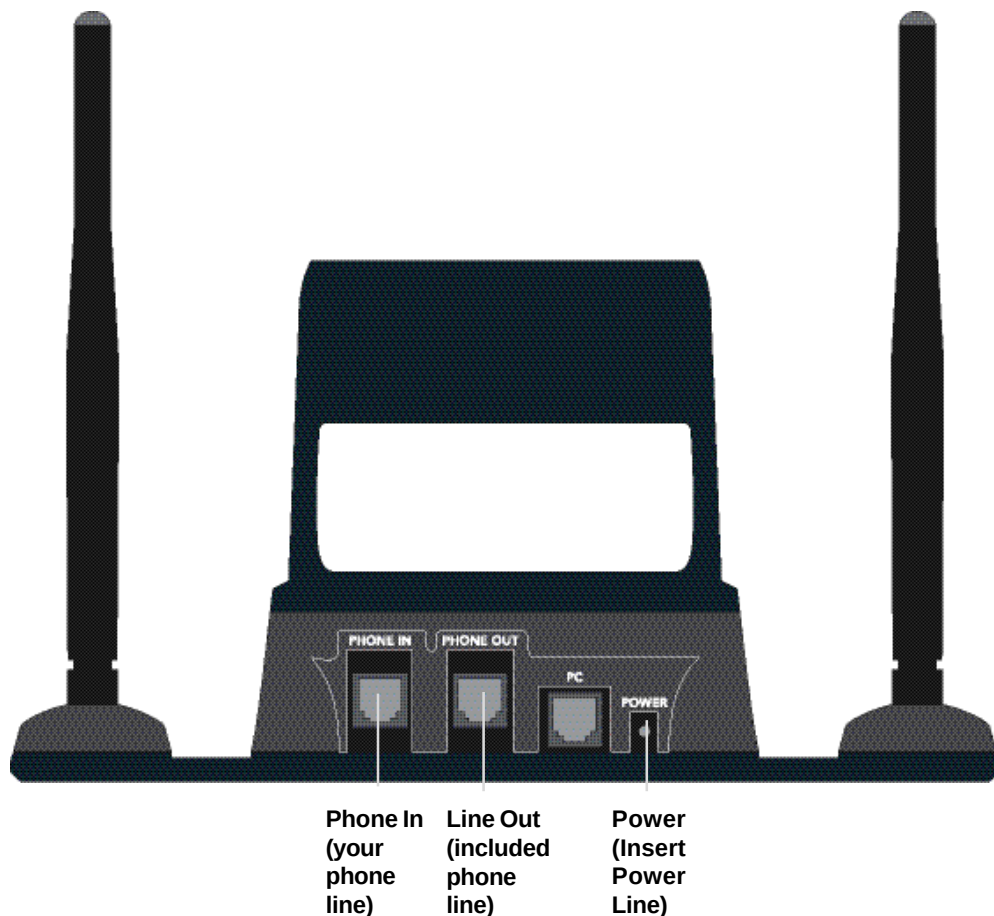
Sometimes in larger houses, a second Base Station is needed so that you can stay within range without carrying your monitor around.

At night, keep the CardioNet Monitor in the Recharging Base near your bed so CardioNet can monitor your heartbeats, while you are sleeping. The Monitor will also recharge its battery while in the Base. It takes around four hours to completely recharge the Monitor battery, so you can carry it around with you the following day.

Setting Up the Base

1. Find an electrical outlet located close to a phone jack, preferably in your bedroom
2. Unplug the telephone line from the back of your telephone
3. Take the telephone line that you just unplugged and plug it into the slot on the Base labeled "Phone In".

4. Locate the second telephone line, included in your CardioNet Service Kit. Plug one end of this line into the slot on the Base labeled “Line Out”. Plug the other end of this line into the back of your telephone.
5. Locate the Power Cord in your CardioNet Service Kit. Insert the small, round end of this line into the slot on the Base labeled “Power”. Plug the other end into an outlet.



See Using the Monitor for more details about checking battery power.

At home, leave the Monitor in the base whenever possible.

Checking Battery Power

When your Monitor is in the Recharging Base, touch the battery icon on the screen and the unit will tell you whether or not the battery is fully charged. If the battery is not fully charged, leave the Monitor in the Base for a full recharge, which takes four hours.

Staying in Range

The Monitor's rechargeable battery provides 16 hours of use for each four hours of recharging. Whenever possible, when you are at home, leave the Monitor in the Base, unless you are in a part of the house where the Sensor and Monitor would be out of communications range. Whenever you begin to go out of communications range, the Sensor will beep to warn you—reminding you either return within range or carry your Monitor with you.

Limitations of cell phone coverage

When your CardioNet monitor is in the base station, it uses the regular telephone system for communications with the CardioNet center. When you are away from home—or whenever your CardioNet monitor is out of the base station—the monitor uses cell phone technology to contact the CardioNet center and transmit ECG data.

As with consumer cell phones, calls can sometimes be delayed or blocked by coverage problems, physical obstruction such as buildings or mountains, or heavy traffic on the carrier networks.

When the CardioNet monitor has urgent data to transmit, and is unable to connect with the center via cellular telecommunications, it will notify you to contact the CardioNet center through a regular telephone. The monitoring specialists at the Center will instruct you on how to download the information on that phone.



Place Monitor in Base to Recharge

Wearing the CardioNet Sensor

The CardioNet Sensor uses three electrode patches, carefully placed on your body to detect heartbeats by sensing electrical changes on the surface of your skin. The electrode patches are attached to the Sensor by three lead wires, a white wire, a black wire and a red wire. The lead wires can be snapped on and off from the electrodes, so you can remove the wires from the electrodes and remove the Sensor before showering—without taking off the electrodes.

When you enroll in the CardioNet System, a nurse or technician chooses the best locations for the electrode pads to detect changes in heart rhythms.

See Caring for Your CardioNet Sensor (Section 4) for more details about removing your Sensor while Showering.



Sensor with Lead Wires

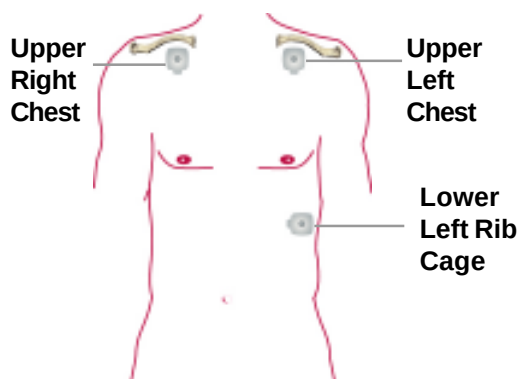
Placement of Lead Wires and Pads

The Electrode Pads are placed as shown in the diagram below.

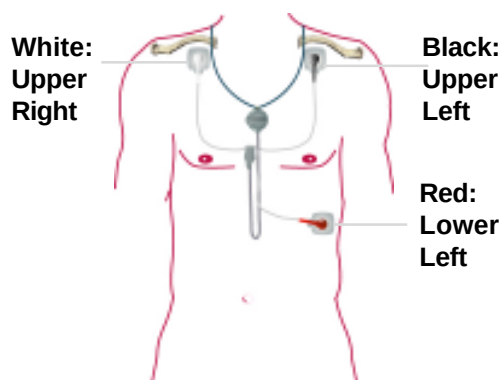
White lead – snaps on a pad placed just below the center of your right collarbone.

Black lead – snaps on a pad placed just below the center of your left collarbone.

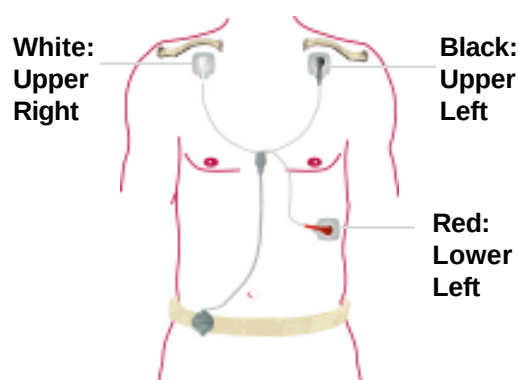
Red lead – snaps on a pad placed just on your left side, on the lower part of your rib cage.



Placement for Pads



Placement for Leads
Shown with neck strap



Placement for Leads
Shown with belt buckle

Using the Monitor

The CardioNet Monitor is your link with the CardioNet Center. The CardioNet Sensor sends each heartbeat to the Monitor, which has been programmed by your physician to detect changes in targeted heart rhythm. When the Monitor detects a targeted change in rhythm, or when you detect a symptom and enter your information, the Monitor will establish a communications link with the CardioNet Center and begin sending your ECG data, as well as symptoms and activity information you enter, using the Monitor's touch-screen. This section describes:

- Keeping the Monitor On
- Navigating the Screens
- Recording a Symptom
- When There's No Cell Phone Coverage
- Changing Monitor Options
- Checking Monitor Status
- Warnings and Alarms

Keep the Monitor On

Refer to Caring for Your Sensor for more information about how to remove the Sensor while bathing or showering.

The green button at the bottom of the Monitor turns it on and wakes it from sleeping. To turn the Monitor off, you must use the touch screen. Keep the Monitor on at all times while you are on service, unless you are changing the Sensor batteries or taking off the Sensor—for example, when you take a shower.

LED Indicator Light

Touch Screen

On / Wake Button



Monitor is On

The LED indicator light flashes green when the monitor is sending information to the CardioNet Center and you are being actively monitored.

When the light flashes red, the Monitor is trying to get your attention. An alert screen will appear with help or information.

Monitor Screen is Asleep

To save on battery power, the Monitor screen becomes blank while you are not using the touch screen menus. You can tell that the Monitor is still on because the LED indicator light is lit.

To turn the Monitor back on, either press the **On / Wake** button or touch the blank screen.

Monitor is Off

When you turn the Monitor off using the touch screen, the screen is blank and the LED indicator light is not lit.



The screen is blank when the Monitor is asleep or turned off.

Navigating the Screens

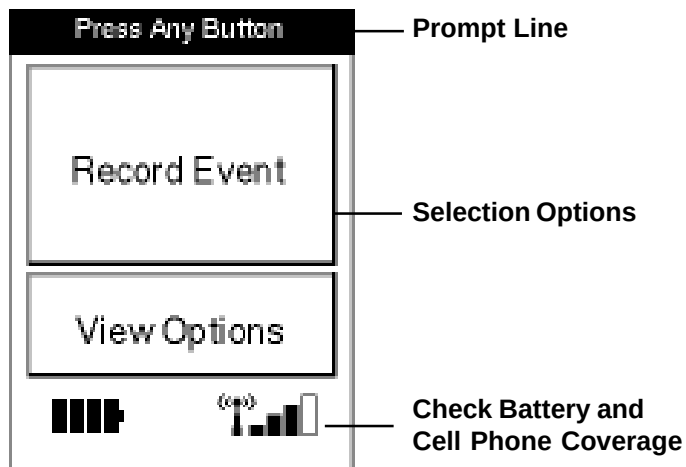
The CardioNet Monitor has a simple touch screen that is easy to view and use. By touching lightly with your finger you make selections; each screen prompts you with icons, text and navigation buttons to step you through an activity.

For the most part, the menus follow a simple pattern. At the top of every screen you'll find a prompt line that tells you the next step to take. The midsection shows options that you can choose. At the bottom of most menus are navigation buttons that move you from screen to screen.

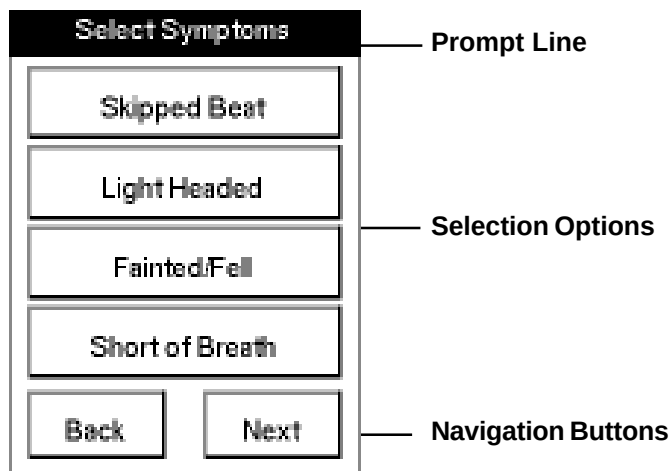
At the bottom of the Main menu are two symbols that let you check battery power and the strength of the cell signal.

Help and alert screens are slightly different in that the middle section offers you additional information.

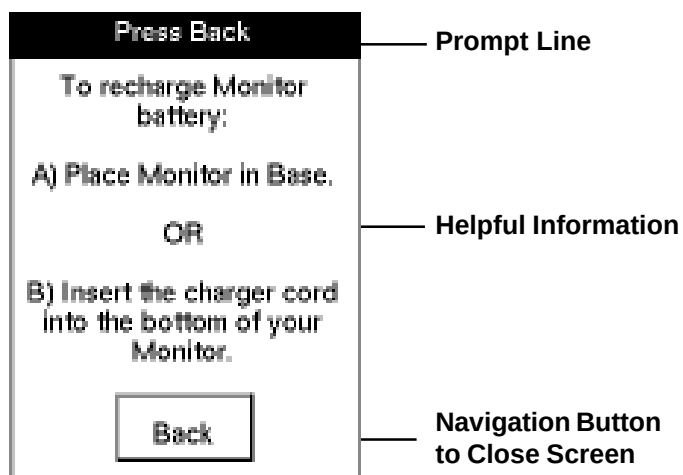
Main Menu



Symptoms Menu (2 screens in a row)

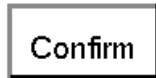


Help Menu

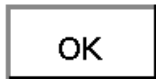


Navigation Buttons

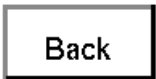
The Navigation buttons at the bottom of each menu move you from screen to screen. The following buttons will appear.



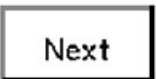
Confirm accepts your selection and moves to the next menu.



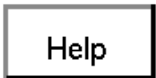
OK acknowledges that you've read the information on the screen and closes the current menu.



Back moves backward to the previous menu.



Next moves forward to the next menu.



Help moves to a helpful information screen.

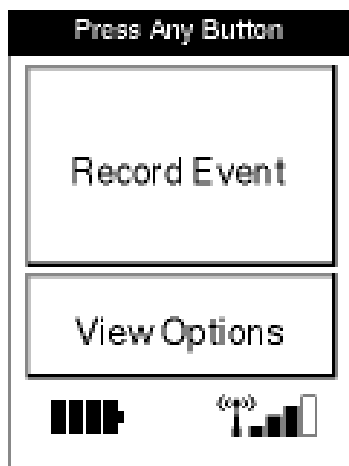
Record a Symptom

Your symptom and activity data is very important information that helps your physician treat or manage your condition. By entering your symptoms and activities each time you have an event, you will assist your physician in determining the best treatment.

To Record a Symptom

1. Make sure the Monitor is on. If the screen is blank, press the **On / Wake** button to turn on the Monitor. The Main menu appears.

*To turn your Monitor screen on, either touch the blank screen or press the **On / Wake button**.*



2. On the Main menu touch **Record Event**.

Remember that there are two Symptoms menus.

The **first** of **two** Symptoms menus appears.

A screenshot of a mobile application screen titled "Select Symptoms". The screen has a black header with the title in white. Below the header, there are five rectangular buttons stacked vertically, each with a black border and white text: "Skipped Beat", "Light Headed", "Fainted/Fell", and "Short of Breath". At the bottom of the screen, there are two more buttons: "Back" on the left and "Next" on the right, both with black borders and white text.

Select, one by one, each and every symptom that you feel. A check mark appears for symptoms you select. Touch **Next**. The **second** Symptoms menu appears.

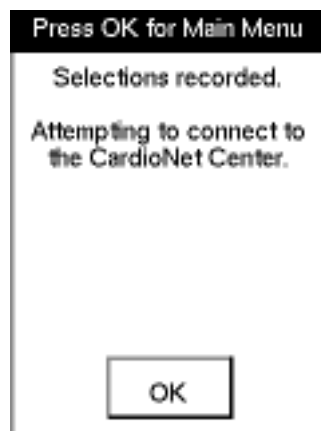
A screenshot of a mobile application screen titled "Select Symptoms". The screen has a black header with the title in white. Below the header, there are four rectangular buttons stacked vertically, each with a black border and white text: "Chest Discomfort", "Fatigue", "Heart Racing", and "None of the above". At the bottom of the screen, there are two more buttons: "Back" on the left and "Confirm" on the right, both with black borders and white text.

Select any or all symptoms. When done, touch **Confirm** to move to the Activities menu.

The Activities menu appears.



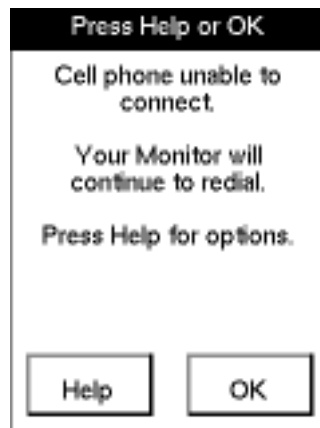
3. Choose the activity that best reflects your level of exertion when you felt the symptom. When done, touch **Confirm**. The following screen appears.



4. Touch **OK**. The Monitor then sends your activity information and your ECG data to the CardioNet Monitoring Center.

When You Are Without Cell Phone Coverage

When the CardioNet Monitor is not in its Base Station, it uses wireless telecommunications to communicate with the CardioNet Monitoring Center. If you are in an area without cell phone coverage and the Monitor is unable to establish a connection with the Monitoring Center, the Monitor stores the information it has collected and sends it later. If the Monitor detects an event that requires immediate analysis and cannot send the data, it will beep and alert you to contact the CardioNet Center.



Monitor Cannot Establish Connection

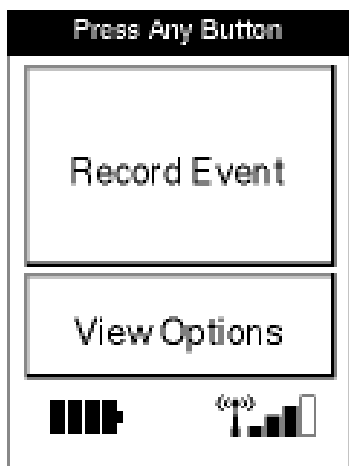
Changing Monitor Options

Your CardioNet Monitor lets you make adjustments to suit your needs. Adjustable features include:

- Volume
- Contrast
- Cellular Power (on or off)
- Monitor (on or off)

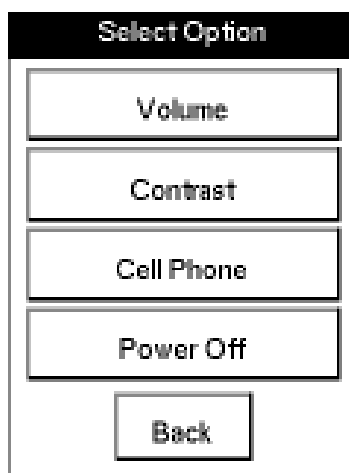
Adjust Features

1. Make sure the Monitor is on. The Main menu appears.



2. Touch **View Options**.

The Options menu appears.



3. Choose any of the following options.

Volume adjusts the tone to high, medium, low or vibrate. After you make your selection, you'll hear the volume you have chosen. For Vibrate, you can feel the Monitor vibrating.

Contrast adjusts the screen contrast to high, medium or low. After you make your selection the screen adjusts to the new setting. You might find you need a different setting when you are outdoors rather than indoors.

Cell Phone turns the cell phone in the Monitor OFF or ON. When the cell phone is off, the Monitor is still recording heartbeats, but no data can be sent automatically to the CardioNet Monitoring Center unless the Monitor is placed in the base.

Power Off turns off the Monitor. A warning appears and you are asked to confirm that you really want to turn off the Monitor.

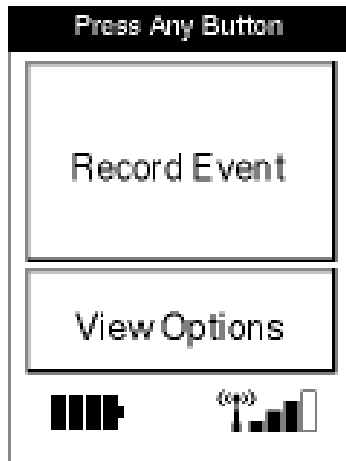
4. After making adjustments, a menu appears to ask you to confirm the selected option. Touch **Confirm**.

Checking Monitor Status

By touching either the battery or the cell signal icon on the Main Menu, you can easily view more information about both.

View the Battery Status

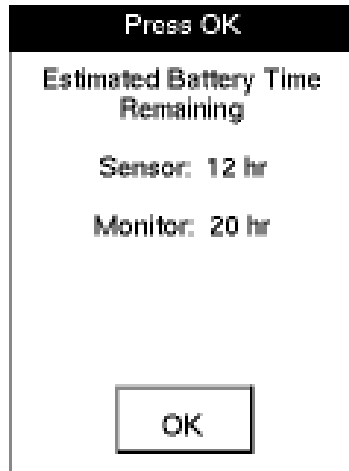
1. From the Main menu, touch the Battery icon.



Choose the Battery icon to see how much power your Monitor has left.

The Monitor's rechargeable battery provides 16 hours of use for every four hours of recharging. See Setting Up (Section Two) for more information.

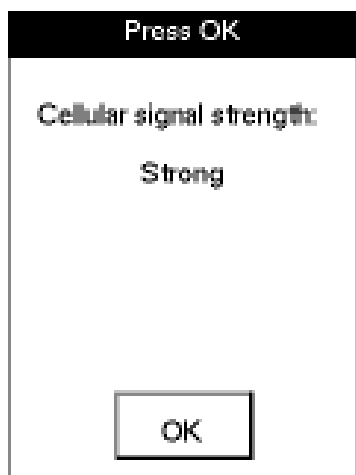
The Battery Information menu appears.



3. You can now see how much time remains for both the Monitor and Sensor batteries. Touch **OK** to return to the Main menu.

View the Cell Signal Status

1. From the Main menu, touch the Cell Signal icon. The Signal Information menu appears.



Choose the Cell Signal icon to see how strong your cellular signal is in the current location.

2. This menu tells you how strong your cellular signal is in your current location.

When done, touch **OK** to return to the Main menu.

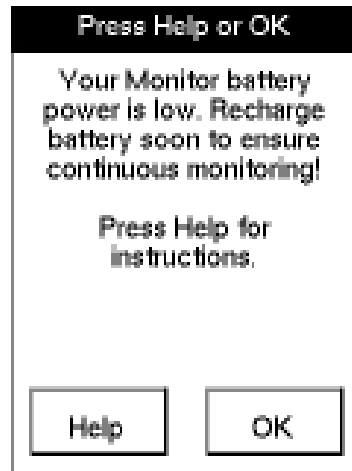
Warnings and Alarms

See Troubleshooting, Section 5, for more information about warnings and alarms.

For warnings and alarms, the Monitor beeps to let you know there is a concern and explains on the touchscreen exactly how to respond.

Warnings are brief beeps. Alarms last longer and grow louder. Warnings can sometimes fix themselves, but alarms always require action on your part. For both, you can immediately silence the audio tones by touching the **OK** button on the touch screen. For both you can also touch the **Help** button for more information about how to resolve the problem.

Below is a sample of what might appear on the touchscreen for a warning or alarm.



Low Monitor Battery

Care for the Sensor

The CardioNet Sensor is comfortable, easy to wear, and only requires a small amount of care. We recommend that you change the electrode pads every two days. When you shower or bath you don't have to remove the pads, but you do need to remove the Sensor and electrode leads.

This section describes:

- Changing Electrode Pads
- Turning Off the Monitor
- Showering or Bathing
- Changing the Battery

Changing Electrode Pads

We recommend that you change your electrode pads every two days. Changing the electrode pads more frequently may cause irritation to the skin. Changing electrode pads less frequently may cause the electrode pads to wear down and weaken the heartbeat signal to the Sensor.

Any time you change your electrode pads you should turn your Monitor off first using the touch screen. This prevents the Monitor from alarming because it cannot detect your heartbeats. Next, you'll remove the Sensor and old electrode pads. Finally, you'll apply new pads.

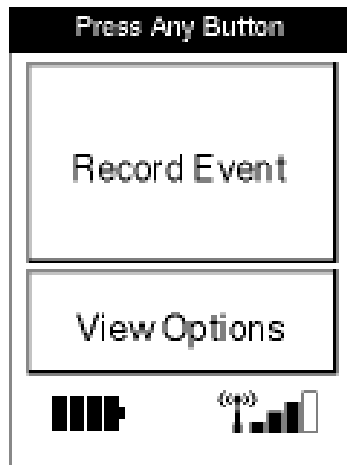
When you were enrolled in the CardioNet System, the nurse or technician chose locations for the electrode pads that would provide the best possible measurements of changes in heart rhythms.

When you replace electrode pads, it is important to put the new electrode pads in the right spot. It is also very important to connect the right color lead to the right electrode—so the CardioNet monitoring center receives accurate heartbeat information.

Turn off the Monitor

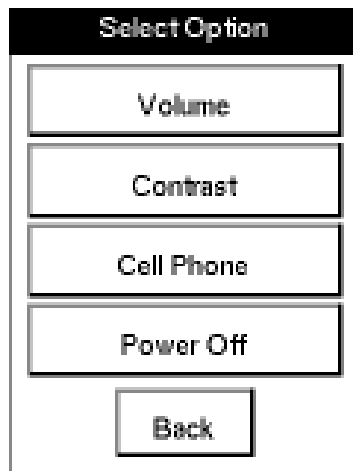
1. Press the **On / Wake** button located on the front of the Monitor.

The Main menu appears.



2. Touch **View Options**. The Options menu appears.

Place the new pads in the locations you were shown when you enrolled in the CardioNet System.



3. Touch **Power Off**. A warning appears and asks if you really want to power down.
4. Touch **Yes** to confirm. A message briefly appears to let you know that the Monitor is powering down. Wait for the Monitor to completely power down. The touch screen will become blank.

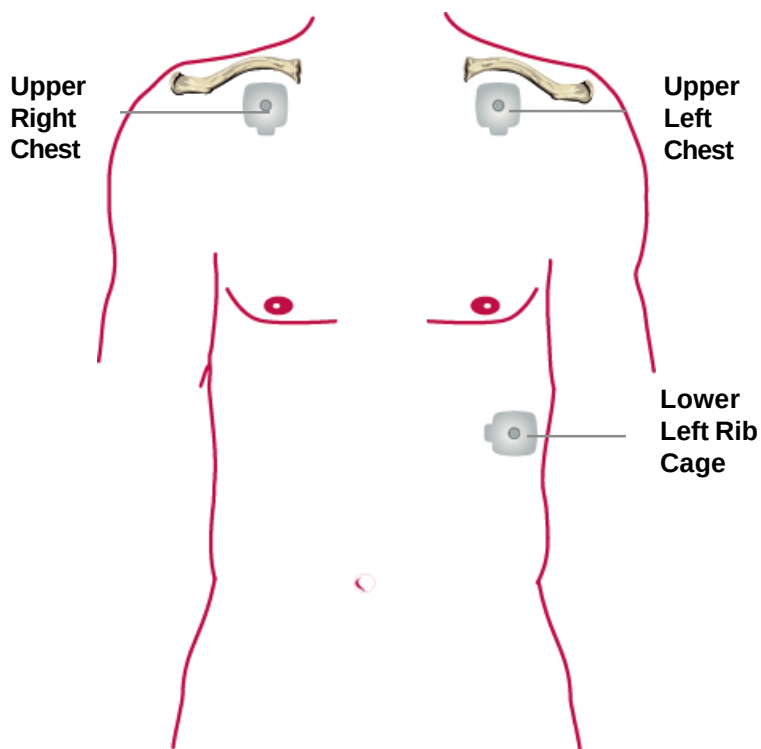
Tip: If you need to change your electrode pads, it's easiest to do so when you shower or bathe.

Remove Sensor and Pads

1. Unsnap the Sensor leads from the electrodes.
2. Remove the electrode pads from your skin.
Throw them away.

Apply the New Pad

1. Snap a new electrode pad onto the lead.
2. Peel off the paper in the back of the electrode pad.
3. Check the new electrode pad to make sure the gel on the back has not dried out —electrodes with dried gel should be thrown away.
4. Apply pad to the same spot.

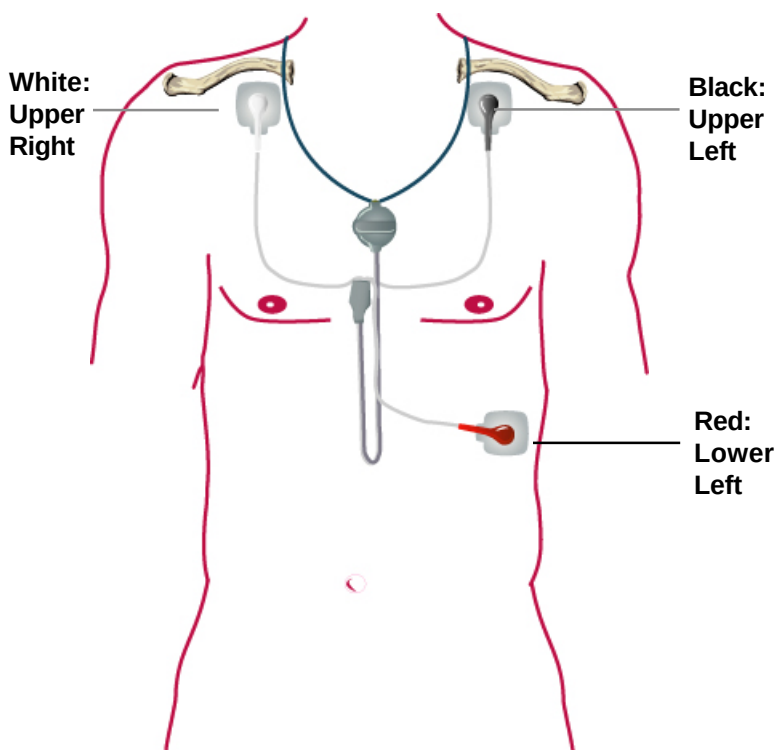


Placement for Pads

Placing the Leads and Pads

Remember that it is important to put the new electrode pads in the right spot. It is also very important to connect the right color lead to the right electrode—so the CardioNet monitoring center receives accurate heartbeat information.

- **White lead** – placed just below the center of your right collarbone
- **Black lead** – placed just below the center of your left collarbone
- **Red lead** – placed on your left side, on the lower part of your rib cage



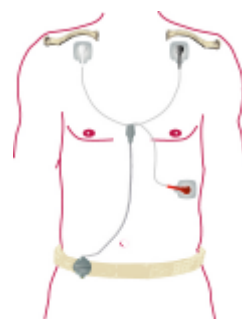
Placement for Leads



Electrode Pad



The Sensor leads snap easily on and off of the Electrode Pad.



If you're wearing the Sensor on a belt clip, the Sensor is upside down.

Tip: a convenient time to remove your electrode pads is when you shower.

Showering or Bathing

You'll need to remove your Sensor before taking a bath or shower, but you can keep the electrode pads on. Be careful that they don't get soaked.

Before removing the Sensor, turn off the Monitor. You will remove the Sensor, but keep the pads in place.

Gently wash the skin around the electrodes. After drying, repress the pads to the skin.

Turn Off the Monitor

1. Press the **On / Wake** button located on the front of the Monitor.
2. Touch the **View Options** button on the touch screen. The Options menu appears.
3. Touch **Power Off** . A warning appears and asks if you really want to power down.
4. Touch **Yes** to confirm. A message briefly appears to let you know that the Monitor is powering down. Wait for the Monitor to completely power down. The touch screen will become blank.

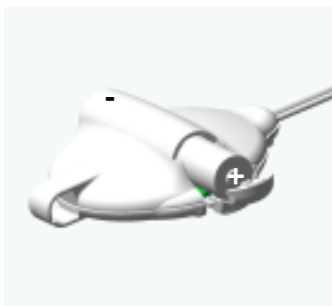
Remove the Sensor

1. Remove the Sensor leads from the electrodes.
2. Leave the Sensor Electrode Pads in place if you are not going to change them.
3. If you are going to change the pads, remove them and apply a new set after your shower or bath.

You can wear your electrode pads while showering or bathing. Just make sure you remove the Sensor and electrode leads. After showering, press the pads to the skin to assure tight surface contact.

After showering

1. Repress electrode pads worn during showering or apply new pads.
2. Reattach the Sensor lead wires to the electrode pads.
3. Press the **On / Wake** button to turn the Monitor on and resume monitoring. Changing the Sensor Battery.



Insert the battery, negative (flat) end first, bumpy side out.

Press firmly on the top edge of the battery door to open it. You can use a table top or flat surface to press against the door. It pops open.

Call the CardioNet Service Center's toll free number if you are running out of replacement batteries.

(866) 426-4401

Changing the Battery

The AA battery in the Sensor must be replaced with a new, unused battery every 24 hours. We recommend you turn your Monitor off before changing your Sensor battery. This prevents the Monitor from alarming because it cannot detect your heartbeats when the Sensor has no power.

Turn Off the Monitor

1. Press the **On / Wake** button located on the front of the Monitor.
2. Touch the **View Options** button on the touch screen. The Options menu appears.
3. Touch **Power Off**. A warning appears and asks if you really want to power down.
4. Touch **Yes** to confirm. A message briefly appears to let you know that the Monitor is powering down. Wait for the Monitor to completely power down. The touch screen will become blank.

Replace The Battery

1. Press the top edge of the battery door to open it. The door pops open.
2. Take out the old battery and dispose of it in accordance with local regulations and EPA guidelines.
3. Put in a new AA battery, included in your CardioNet Service Kit. Insert the negative end first.
4. Close the cover.

If you are running low on batteries, contact the CardioNet Monitoring Center and ask for additional batteries. In an emergency, any available AA battery can be used with the CardioNet Sensor.

Trouble Shooting

This section provides suggestions for troubleshooting as well as precautions and warnings. It includes:

- Responding to warnings and alarms
- Troubleshooting
- Precautions and Cautions
- Cleaning
- Service

Responding to Warnings and Alarms

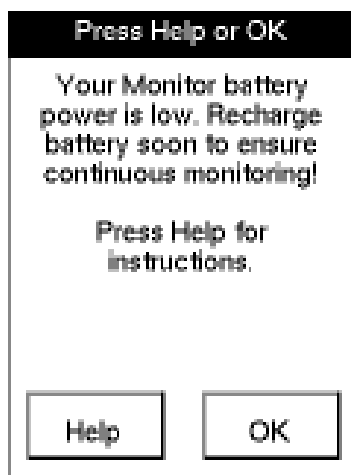
For warnings and alarms, the Monitor beeps to let you know there is a concern and explains on the touchscreen exactly how to respond.

Warnings are brief beeps. Alarms last longer and grow louder. Warnings can sometimes fix themselves, but alarms always require action on your part. For both, you can immediately silence the audio tones by touching the **OK** button on the touch screen. For both you can also touch the **Help** button for more information about how to resolve the problem.

The following list of alarms and warnings shows what appears on your screen and describes how to respond.

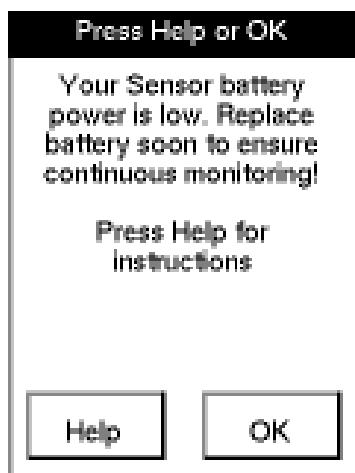
Low Monitor Battery

Return Monitor to Base for recharging.



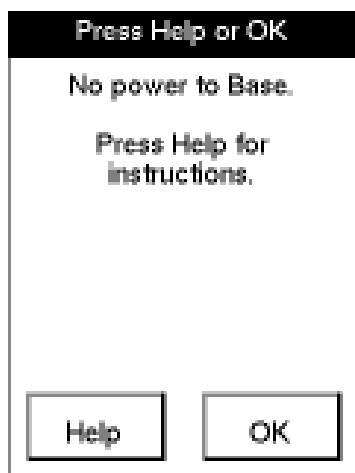
Low Sensor Battery

Install new battery - or - Inspect battery compartment, clean contacts if necessary.



No Power in Base

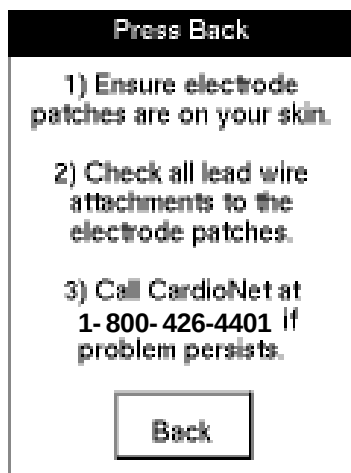
Reinsert the power cable in the base and into the wall plug.



If the electrode patch loses contact or dries out you need to replace it immediately. The monitor detects when leads are disconnected and will alert you.

Sensor Lead Wire Disconnected

Make sure the electrode patches are pressed onto your skin. Check all the lead wire attachments.



Poor Sensor Communication

Move closer to your monitor. The Monitor and Sensor need to be in closer range to communicate.



Scheduled Upload Failed

Either go to an area that has cellular coverage or put the Monitor in the Base.



Troubleshooting

Troubleshooting involves taking precautionary measures, sometimes a bit of detective work, and responding to known problems. For the most part, the Monitor will detect problems for you. The Monitor beeps to let you know there is a concern and explains on the touchscreen exactly how to respond.

A warning prompts you to resolve a problem by displaying an alert screen and beeping an audio tone. For some warnings the problem can fix itself and you won't need to do anything. For others you'll need to take action, as described on the touch screen.

An alarm lets you know that a problem has not been fixed and you must take action.

Monitor Battery Doesn't Last 18 Hours

Ensure battery is being recharged for at least four hours per day. If you find the Monitor is not holding its charge long enough, you probably haven't left it in the Base long enough.

No Display on Monitor.

Ensure Monitor is turned on. Return Monitor to Base for recharging

Blank Monitor Screen.

If the Monitor is blank, first make sure it is turned on. If it is on and the touchscreen is blank, return the Monitor to its Base for recharging

No Connection when Call Button is Pressed.

Ensure Monitor is in cellular range. Place Monitor in base. Ensure Monitor is turned on.

Precautions

Dispose of Batteries Properly.

Observe all local laws for the disposal of alkaline batteries.

When Not in Use, Remove Sensor Battery.

Do not leave the battery in the Sensor when it is not in use. Damage from corrosion could result.

Avoid Electromagnetic Interference.

For the best recording results, you should avoid close proximity to heavy equipment or other sources of electromagnetic interference such as electric blankets, heating pads, etc.

Remove Leads before Defibrillation

Electrode leads must be removed before external defibrillation.

Cautions

Caution: Power Down and Remove Sensor Before Showering.

Power down the Monitor and remove the Sensor before showering. While the CardioNet Sensor and Monitor are water resistant, they are not waterproof. Refer to the section: Caring For Your Sensor for complete instruction on removal and reapplication before showering.

For more information, refer to the Section called Showering or Bathing in Caring for Your Sensor.

Caution: Do Not Get the Sensor Wet.

Make sure the Sensor stays dry at all times.

Warning: For Adult Use Only.

The CardioNet Monitoring System is intended for Adult use only. It shall not be used on infants weighing less than 22 lbs.

Warning: Use with Telephone System.

Any patient whose life may be put at significant risk by the unavailability of the telephone system should not be monitored by the CardioNet System.

Warning: Not an Apnea Monitor.

The CardioNet Monitor is not to be used as an apnea monitor.

Warning: Telephone Use.

Do not use any telephone other than the phone that is connected to the CardioNet Base while you are being monitored. If dialing tones are heard in a remote telephone, hang up immediately to allow the CardioNet Monitor to dial the Monitoring Center.

Warning: Do Not Tamper.

There are no serviceable parts in the CardioNet System. Removing the cover of any of component may alter performance.

Cleaning

Dampen a soft cloth with disinfecting solution. Wipe the external surfaces of the Sensor, Monitor and Base. Do not spray or submerge any component with liquid or foam. Each component should be wiped with a soft damp cloth after cleaning to ensure no fluid has pooled on external surfaces.

Service

If you experience additional problems with any components of the CardioNet Monitoring System, review the problems and solutions listed in the trouble shooting section. If additional assistance is required contact customer support by phone or fax.

Telephone: 619.243.7500

Fax: 619.243.7700

Call customer support before returning a CardioNet Monitoring System to make shipping arrangements.

Specifications and Symbols

This section lists specifications and symbols. It includes:

- Specifications
- Symbols
- Hardware Requirements

Specifications

Dimensions

Sensor

4.1 x 0.7

Weight: 2.1 oz

Sensor neck strap

12 x 24 x 0.2

Monitor

5.9 x 3.3 x 1.0

Weight: 11.0 oz

LCD

3.0 x 2.3, touch screen, monochrome, EL backlight

Base

4.0 x 4.0 x 3.6

Weight: 6.1 oz

Functional

Channels	2
Resolution	12 Bit
Recording	Full Disclosure
Sample Rate	250 Samples / sec
Frequency Response	0.5 hZ - 40 Hz
Battery Life	Monitor: (18 hr) rechargeable Sensor: (24 hr) AAA Alkaline

Base Connectors

Power in (12V 1.2A)

Phone in (RJ11)

Phone out (RJ11)

Serial RS232

Operating conditions

Sensor

Immersion resistant (IPx-0)

Operating temperature 20 - 45 C

Storage temperature -20 - 65 C

Relative humidity 10% - 95%, noncondensing

Monitor and Base

Splash resistant (IPx-0)

Operating temperature 0 - 45 C

Storage temperature -20 - 65 C

Relative humidity 10% - 95%, noncondensing

Equipment Symbols



Consult Manual



Year of Manufacture



Type B Equipment

SN

Serial Number

Hardware Requirements

In Home Requirements

Touch tone telephone

AC powered outlet

PC Requirements

Serial port installed