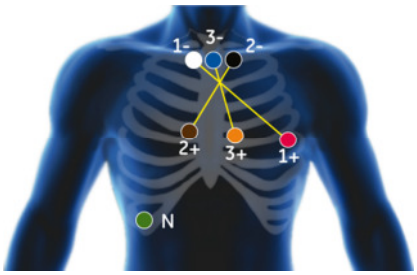
GE Healthcare

SEER™ 1000 – Quick Start Guide

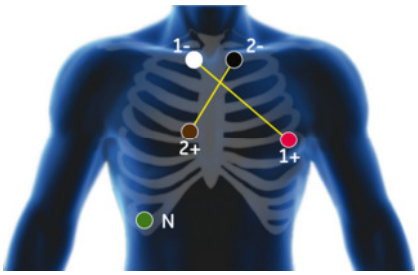
Patient Hookup

1. Prepare the patient – shave and clean the skin.
2. Attach the electrodes to the patient.
3. Connect the cable to the electrodes and the recorder.
4. Insert the battery into the recorder with the negative end facing up.
5. Press the **Event Button** to start recording.

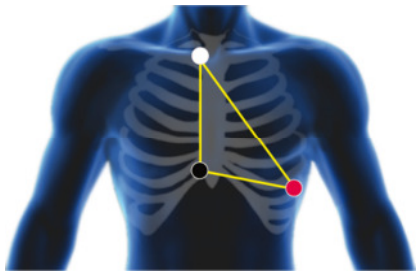
See the next page for patient hookup with the ***SEER Mobile App***.



7 Electrodes (AHA)
3 Independent Channels

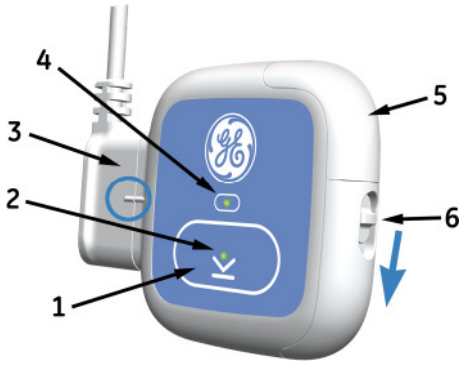


5 Electrodes (AHA)
2 Independent Channels



3 Electrodes (AHA)
3 Non-Independent Channels

SEER 1000 Recorder Operation



	Element	Description
1	**Event Button**	• Press and hold until a beep sounds to **turn on/off the recorder**. • Press and release to **start recording** or **mark an event**. A beep will sound to confirm. • Press and hold until a beep sounds to **activate wireless connectivity** while recording.
2	**Event Button LED**	• **Green**: Ready to start recording. • **Flashing green:** Recording in progress. • **Yellow:** Contains a recording. • **Flashing yellow:** Battery is low.
3	**USB and ECG Cable Connector**	• Align dashes to connect. • Connect leadwire cable for recording. • Connect USB cable for downloading.
4	**Hookup Guidance LED**	• **Green:** Electrodes properly connected. • **Flashing yellow :** Electrodes not properly connected.
5	**Battery Door**	• Insert battery with the positive end first.
6	**Battery Door Latch**	• Slide to open.

NOTE: If service is needed, the **Event Button LED** and **Hookup Guidance LED** will repeat a yellow and green flash sequence. Refer to the operator manual for more information.

CAUTION: Failure to properly connect the USB and patient cable may cause damage.

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SEER App Installation & Set Up

If using a Bluetooth enabled PC, simply insert the CD and follow the instructions. If using a mobile device, download the app from the App Store by searching for ***SEER 1000***.

The site administrator must create an administrator account by changing the default password in the ***Administration*** area. The administrator can then create Technician IDs.

Technicians can log in using the default password. You will be prompted to create a new password at first login (eight characters or more). See your administrator or the operator's manual for default passwords.

App Tabs



Hookup

Use this tab to enter and send patient demographic information to the recorder, preview hookup quality, and start a recording.



Patients

Use this tab to view, edit, or delete patient entries. Also, use it to add multiple patient entries to the patient list for later recordings.



Devices

Use this tab to manage your cables and recorders. It can be used to view device information, view a previously started recording, delete existing data stored on the recorder, and pair recorders with new mobile devices.

App Icons

Rechargeable battery (select for accurate battery level reading)

Alkaline battery (select for accurate battery level reading)

Battery state

Screenshot**

Search device**

Create new patient or technician ID**

Edit patient data**

Select for deletion*

Select for editing*

Select patient or device**

Male

Female

Start recording

Stop recording

Delete

* Mobile app only

** PC app only

REF 2067634-079

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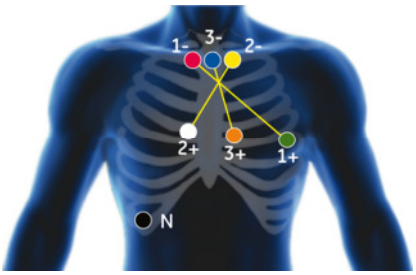
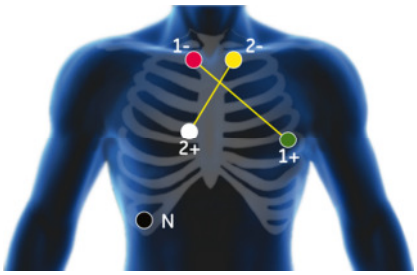
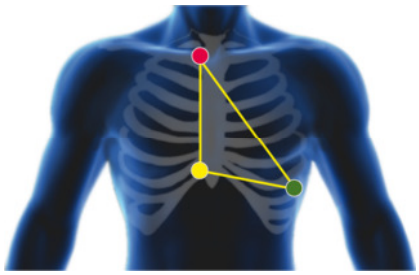


7 Electrodes (IEC)
3 Independent Channels

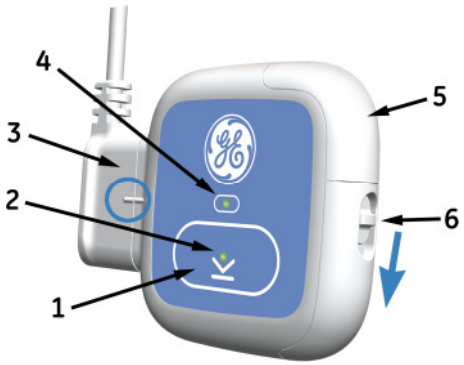


5 Electrodes (IEC)
2 Independent Channels



3 Electrodes (IEC)
3 Non-Independent Channels

SEER 1000 Recorder Operation



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Male

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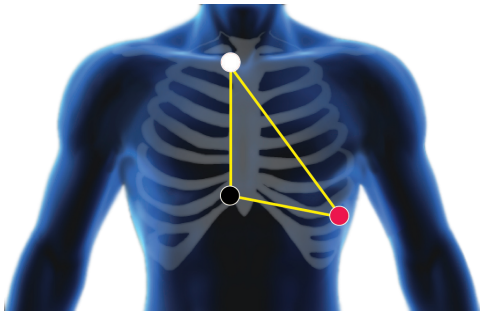
Electrode Placement with 3 Leads



AHA Color / Name
White
Black
Red

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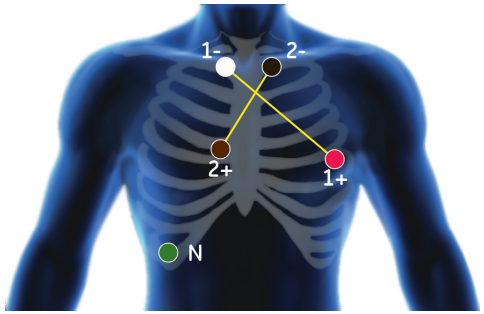
Electrode Placement with 5 Leads



AHA Color	Channel
Red	CH 1(+)
White	CH 1(–)
Brown	CH 2(+)
Black	CH 2(–)
Green	Reference

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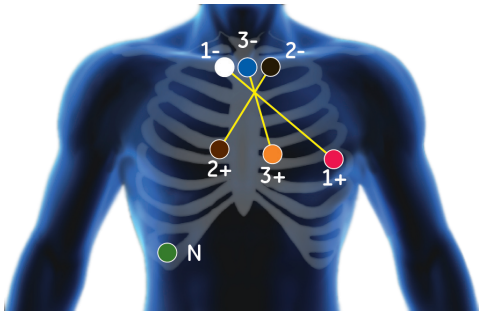
Electrode Placement with 7 Leads



AHA Color	Channel
Red	CH 1(+)
White	CH 1(–)
Brown	CH 2(+)
Black	CH 2(–)
Orange	CH 3(+)
Blue	CH 3(–)
Green	Reference

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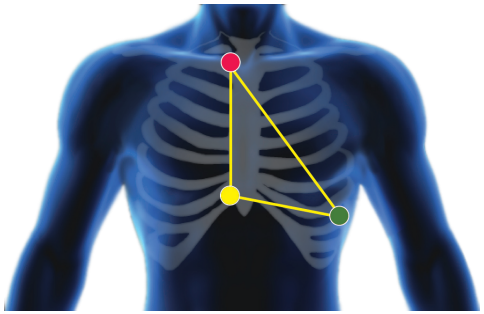
Electrode Placement with 3 Leads



IEC Color / Name
Red
Yellow
Green

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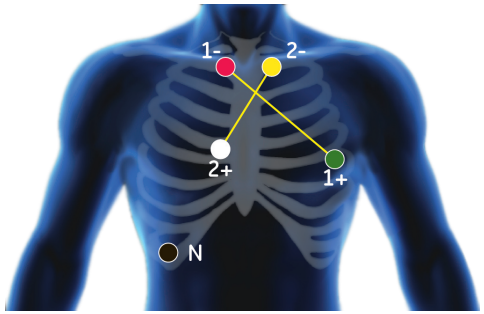
Electrode Placement with 5 Leads



IEC Color	Channel
Green	CH 1(+)
Red	CH 1(–)
White	CH 2(+)
Yellow	CH 2(–)
Black	Reference

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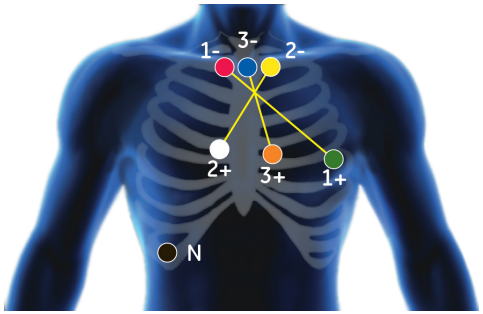
Electrode Placement with 7 Leads



IEC Color	Channel
Green	CH 1(+)
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Black	Reference

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Safety Precautions

- Do not expose the recorder to water, including adverse weather conditions or taking a bath.

Replacing Electrodes

When replacing electrodes during a recording, please proceed as follows:

- Do not attempt to turn off the recorder when replacing electrodes.
- Disconnect the ends of the cable from the electrodes.
- Gently peel off the old electrodes.
- Wait until your skin has dried completely before attaching new electrodes after bathing.
- Place the new electrodes on your skin as shown on this card or as instructed by your clinician.
- Reconnect the ends of the cable to the electrodes according to the color placement shown on the card.
- If you have any questions, call your clinician for advice.

☎ . . . . . .

Event Button

- Press and release the event button to mark an event.
- A beep will sound to confirm.



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