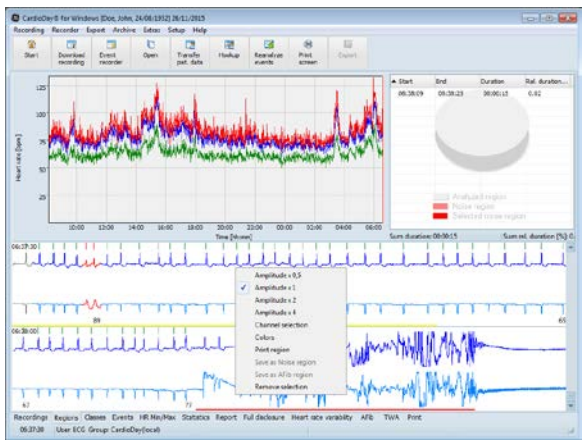
CardioDay® V2.5 – Quick Start Guide

GE Healthcare

Evaluating and editing noise regions

1. Open the ***Regions*** tab to exclude noise regions from the analysis.
2. To manually mark noise regions to exclude, use either of the following methods: (a) drag the mouse pointer parallel to the time axis over the heart rate trend curve in the upper half of the screen, or (b) dragging the mouse over the ECG segment in the ECG context window.
3. To automatically mark noise regions to exclude, click ***Re-analyze*** in the ***Recording*** menu and check the ***Automatic noise detection*** box. You would typically use this option for recordings that are very noisy.



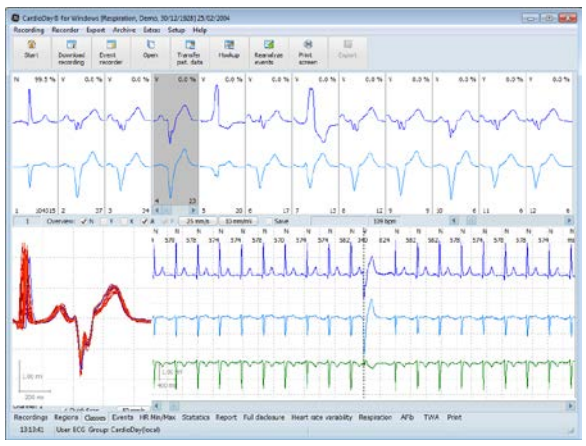
NOTE:

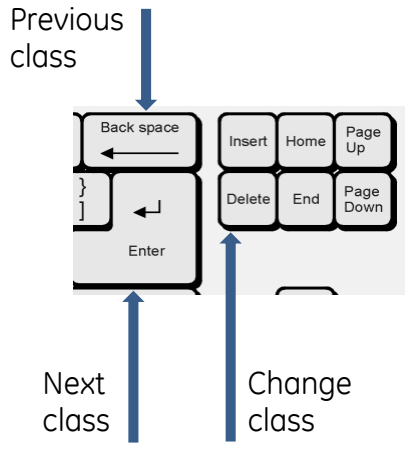
To perform a fast and efficient Holter evaluation, follow the guided work-flow given by the order of the tabs at the bottom of the CardioDay screen.

If you click *Open recording*, the patient list of all existing recordings will be displayed. To select the recording to be evaluated, double-click on the entry in the patient list.

Evaluating and editing the QRS classification

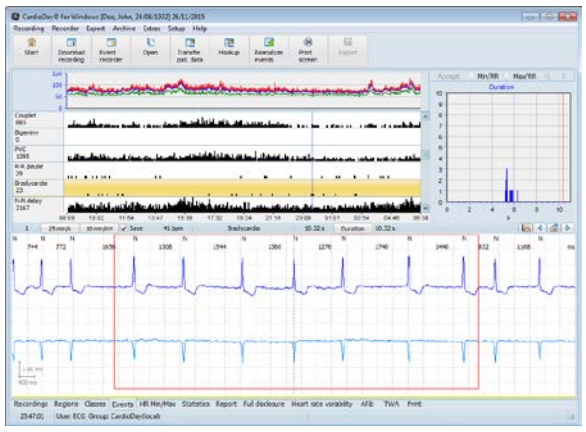
1. Open the ***Classes*** tab to select a QRS class.
2. Left-click to select any class or press **Enter** to select the class to the right.
3. To verify the assignment of class characteristics ***N***, ***V***, ***X***, ***P***, and ***A***; do one of the following: (a) press the right arrow key to check the first 10 QRS complexes or (b) select ***Quick Scan***.
4. To change the designation for a QRS class, do one of the following: (a) press **Del** to toggle through the available designations, or (b) right-click on the class and select appropriate designation in the context menu.
5. To change the designation for a single QRS complex, press **N**, **V**, **X**, **P**, or **A** to assign that characteristic to the selected complex.
6. Press **Enter** to check the next class or **Backspace** to check the previous class.

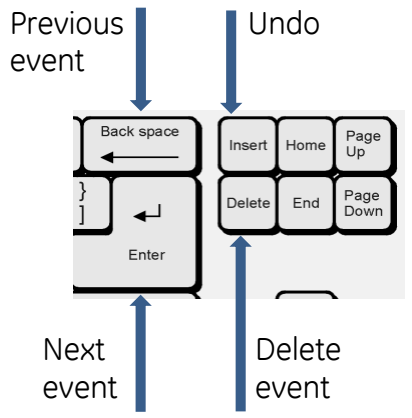




Evaluating and editing the event classification

1. Open the ***Events*** tab to select an event class.
2. Click on an event class to select the desired event type.
3. Evaluate the assignment of the event.
4. To delete an event from the report, press **Del**.
5. To change an event's assignment, right-click on the event and change the assignment in the context menu.
6. Press **+** or **–** on the numeric keypad to move the event to the next higher or lower class.
7. Press **Enter** to accept an assignment and check the next event or **Backspace** to check the previous event.
8. To mark additional events of interest for printing in the report, click the ***Save*** field in the status bar or right-click to select the ***Save*** option in the context menu.



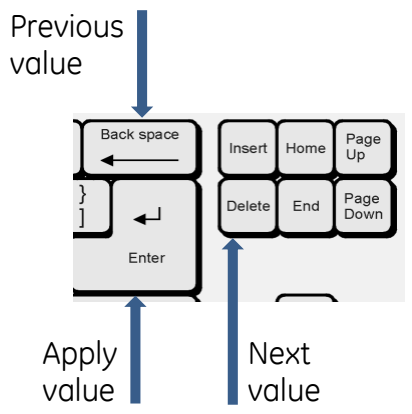


Evaluating and correcting heart rate values

1. Open the ***HR Min/Max*** tab to check the upper and lower heart rate values, i.e., minimum and maximum heart beats per minute or per ten beats.
2. Press **Enter** to accept the heart rate value shown within the selected category and move to the next category.
3. Press **Del** to move to the next upper or lower value within the selected category.

   Note: The values are deemed correct when each QRS complex is marked, i.e., when there are no false or missing trigger marks.



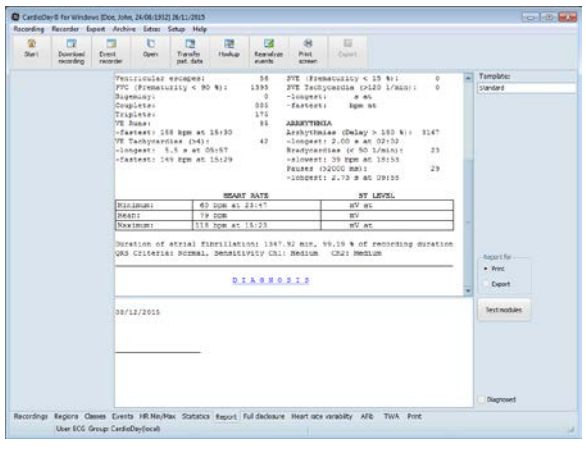


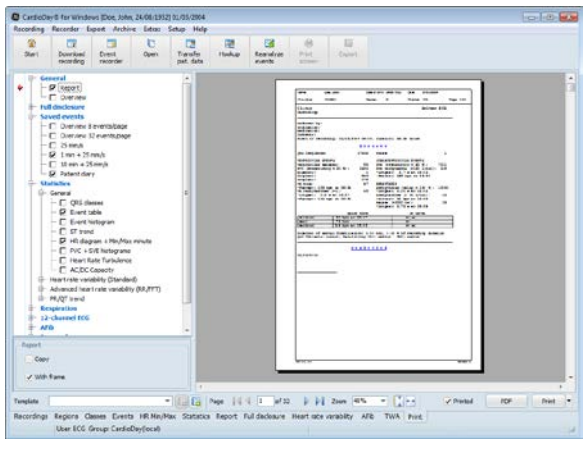
Creating the report and customizing the print selection

1. Open the ***Report*** tab to evaluate the automatically generated report.
2. Enter your diagnosis in the lower part of the screen.

   You can insert predefined text blocks by using **Ctrl**+**Space** or by clicking the ***Text modules*** button.
3. Open the ***Print*** tab to verify the current print selection.

   You can configure your own print selection for every recording or you can save your print selection as a default for future use.
4. Click the ***Print*** button.





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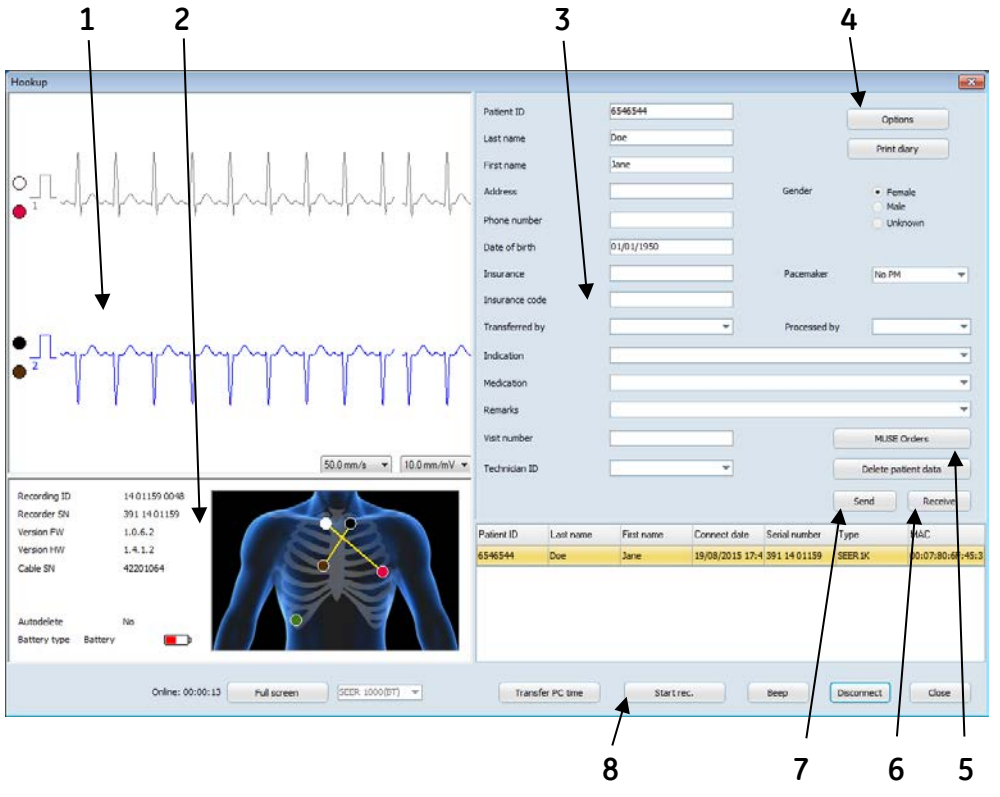
Hookup

1. Run the CardioDay software.
   The ***Start*** dialog opens.
2. Select ***Hookup*** and click ***OK***.
3. Highlight your recorder in the list and click the ***Connect*** button.
   The serial number of the recorder is displayed in the recorder list.
4. Click the ***Connect*** button to preview the real-time waveforms.

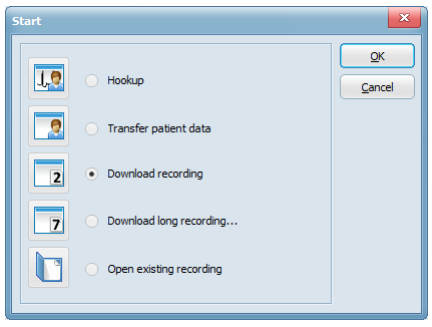
Elements of the Hookup *window*



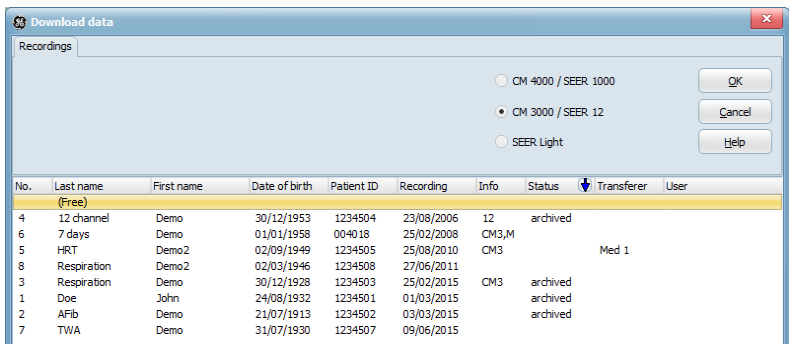
1. *Waveform display*
2. *Recorder information and electrode placement guide (for SEER 1000 only)*
3. *Patient demographics to be entered or received*
4. ***Options*** *button for recorder settings*
5. ***MUSE orders*** *button for retrieving examination orders from a list (only if connected to a MUSE system)*
6. ***Receive*** *button for updating patient demographics changed on the recorder (only for recorders with demographic input capabilities)*
7. ***Send*** *button for sending patient demographics to the recorder*
8. ***Start rec.*** *button for starting a recording*

Downloading ECG data

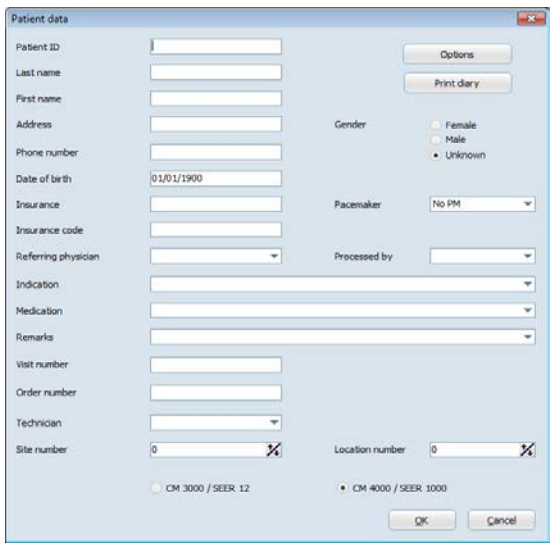
1. Run the CardioDay software.
   The ***Start*** dialog opens.
2. Select ***Download recording*** or ***Download long recording*** and click ***OK***.



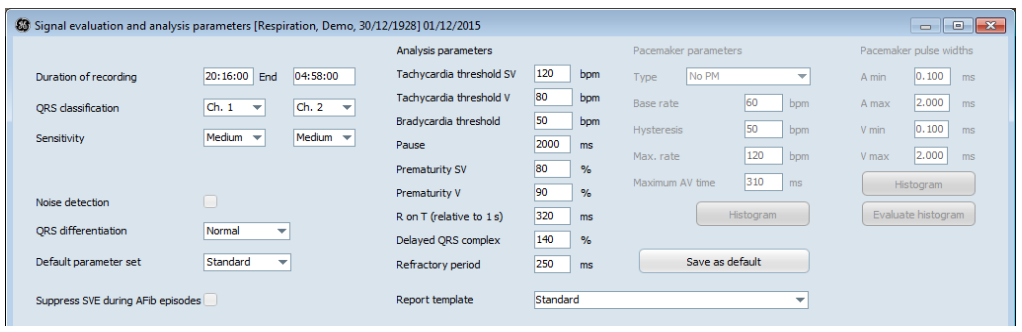
3. Select the ***Free*** recording storage slot, or an older recording from the list to overwrite. Oldest recordings are automatically listed at the top.
4. Click ***OK***.
   The ***Patient data*** window opens.



5. Enter or edit the patient data.
6. Click ***OK***. Pre-analysis of the start of the recording begins (only if the ***Start analysis automatically*** option is NOT checked).



7. Evaluate and change, if necessary, ***Duration of recording***, ***Channel***, ***Analysis parameters***, and other parameters.
8. Click ***OK***.
   The complete recording will be downloaded.



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