



# DR400 Quick Start Guide

You must download and install the PCPatch Utility at [www.nemon.com](http://www.nemon.com) before getting started.

STEP	DESCRIPTION	STEPS/HINTS
1	Fully charge the DR400	<ul style="list-style-type: none"> <li>Use a power source (not the PC) to charge the DR400</li> <li>Remove from power source when orange light stops blinking</li> </ul>
2	Enter Patient ID using PCPatch Utility	<ul style="list-style-type: none"> <li>If you have not already done so, save and delete previous patient's data from the DR400 using the PCPatch utility before entering new Patient ID</li> </ul>
3	Prepare patient	<ul style="list-style-type: none"> <li>Determine the best location to attach the patch and optional lead wire onto the patient, but do not attach at this time</li> <li>Prepare the patient's skin. If the patient has hair in any of the patch site, shave it with a safety razor. Use an alcohol pad and rub the sites briskly until the skin reddens. Let the skin air dry before proceeding.</li> </ul>
4	Prepare DR400 and attach to patient	<ul style="list-style-type: none"> <li>Attach 1-lead electrode patch (1CH) or 1-lead electrode patch w/ lead wire (3CH) to the DR400 recorder</li> <li>Remove backing from leads and attach firmly to patient</li> </ul>
5	Start Recording by holding the DR400 "EVENT" button down until green light goes out	<ul style="list-style-type: none"> <li>If you so choose, start the PCPatch utility before starting the DR400 to confirm start up and observe lead quality</li> <li>The DR400 will flash green for 30 seconds at the start of the recording</li> <li>At any time, press EVENT button again to transmit Bluetooth signal to view ECG via PCPatch utility</li> </ul>
6	Stop Recording and Upload data for analysis	<ul style="list-style-type: none"> <li>Remove from patient and plug DR400 into the PC USB cable and the DR400 will stop recording after 2 minutes</li> <li>Start PCPatch utility to save DR400 data to HE/LX patient directory</li> <li>Open HE/LX Analysis to view and analyze patient data</li> </ul>

## The PCPatch Utility



Download PCPatch at [www.nemon.com](http://www.nemon.com) and install on PC where analysis software is installed.

*Note: You do not need a Bluetooth USB Adapter to use the DR400. The adapter is only required to view ECG using the PCPatch utility. Contact your distributor to find out more about this feature.*

## Snap Guide

### If using the 1-lead electrode patch with the optional ECG lead wire:

- Attach the ECG lead wire first
- ECG lead wire attaches to snap closest to USB port
- The lead plastic should cover the USB port



### To attach the 1-lead electrode patch for 3CH recording:

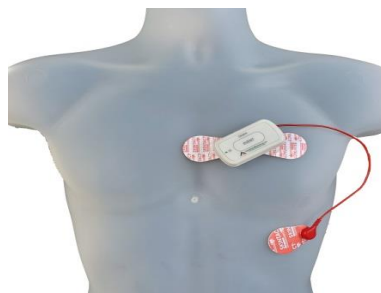
- Patch goes on diagonally
- Press down firmly so that all snaps are locked in place



## Hook-up Guide



3-lead electrode patch (3CH)



1-lead electrode patch (1CH) with optional lead wire (3CH)

To purchase more patch electrodes contact your distributor or go to [www.nemon.com](http://www.nemon.com)



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# DR400 Functions and Modes

## DR400 FUNCTIONS:

FUNCTION	DO THIS	LIGHT	Which means:
TO START RECORDING	When in Standby mode, hold EVENT button down until green light goes out (about 3 seconds)	DR400 will flash for 30 seconds 	The DR400 flashes for about 30 seconds to tell you that recording has started.
		DR400 shows solid orange light instead 	Recording did not start as there is either old data OR no Patient ID on the DR400. Use the PCPatch utility to save and/or delete the data and enter new Patient ID.
		DR400 does not respond 	Recording did not start. Most likely, the DR400 battery is not charged. Charge via USB power source. If charged or plugged into USB and no light is visible, contact Customer Support for further assistance.
TO RECORD EVENT	While recording, press EVENT button	DR400 will flash green for about 15 seconds 	An event has been saved
TO VIEW ECG	While recording, start PCPatch utility and then press EVENT button	DR400 will flash green while transmitting 	To make this work, the DR400 must be paired with the NorthEast Bluetooth USB and the PCPatch utility must be running on machine where the Bluetooth USB is attached. An event will also be saved at this time.
TO STOP RECORDING	Attach DR400 to USB cable for at least 2 minutes	DR400 is connected to PC 	DR400 will stop recording
TO SAVE ECG & UPDATE SETTINGS	Attach DR400 to PC where PCPatch utility is running	DR400 is connected to PC 	Use the PCPatch utility to preview, save the flash.dat file, erase the DR400, pair the DR400 with Bluetooth and update settings.

## DR400 MODES:

MODE	LIGHT	WHICH MEANS	Notes:
STANDBY	No light 	DR400 is not in use	Quickly press the EVENT button. 1) If the DR400 light does not go on, the DR400 is not charged. If you are not sure the DR400 is fully charged, charge it now; 2) If the DR400 flashes green, the DR400 is recording and is not in Standby mode.
RECORDING	No light 	The DR400 is storing data	While recording, if you press the EVENT button, the recorder will flash green for about 10 seconds
CONNECTED TO PC	Green – solid 	DR400 is connected to the PC	Once removed from power source, the DR400 will flash quickly for 15 seconds before return to STANDBY mode
DATA TRANSFER	Fast green - flashing 	DR400 is transferring data or DR400 removed from USB	Flash.dat file being copied to Patient directory, or DR400 removed from USB and resetting
ERASING	Alternating 	Data on recorder being erased	This can only be done using PCPatch
CHARGING	Orange – flashing 	DR400 is connected to power source and is charging	Once removed from power source, the DR400 will return to STANDBY mode
FULLY CHARGED	Orange - solid 	DR400 is connected to power source and is fully charged	Once removed from power source, the DR400 will return to STANDBY mode



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